REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8309160198 DOC.DATE: 83/09/09 NOTARIZED: NO DOCKET #
FACIL:50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
AUTH.NAME AUTHOR AFFILIATION
CURTIS,N.W. Pennsylvania Power & Light Co.
RECIP.NAME. RECIPIENT AFFILIATION
SCHWENCER,A. Licensing Branch 2

Reviewed by P.S 9/21/83

SUBJECT: Forwards Rev 4 to "Equipment Qualification Rept" in response to Items 1.9 & 3.11.1(1)a of Suppl 5 to SER & 10CFR50.49(i). Rev represents dynamic & environ qualification program status as of 830901.

DISTRIBUTION CODE: A048S COPIES RECEIVED:LTR 1 ENCL 40 SIZE: 44 800
TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:1cy NMSS/FCAF/PM. LPDR 2cys. 05000387
1cy NMSS/FCAF/PM. LPDR 2cys. 05000388

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR LB2 BC	12	1	0	PERCH,R.	01	1	1
INTERNAL:	ELD/HDS4	12	1	1	GC	13	1	1
	IE FILE	09	1	1	NRR CALVO,J		1	1
	NRR/DE/EQB	07	2	2	NRR/DL DIR	14	1	1
	NRR/DL/ORAB	06	1	1	NRR/DSI/AEB		1	1
	REG FILE	04	1	1	RGN1		1	1
EXTERNAL:	ACRS	15	8	8	LPDR	03	2	2
	NRC PDR	02	1	1	NSIC	05	1	1
	NTIS	31	1	1				
NOTES:			3	3				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 29 ENCL 28

PP&L Pennsylvania Power & Light Company
Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215/770-7501

SEP 09 1983

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
EQUIPMENT QUALIFICATION SUMMARY REPORT REV. 4
RESPONSE TO SER SUPPLEMENT 5 ITEMS 1.9 AND
3.11.1(1)a, AND 10CFR50.49(i)
ER 100450 FILES 843 & 148 Docket Nos. 50-387
PLA-1823 50-388

Dear Mr. Schwencer:

Attached is Revision 4 of the SSES Equiment Qualification Report. This revision represents the dynamic and environmental qualification program status as of September 1, 1983. For environmental qualification, it encompasses all Unit 1 & 2 Class 1E harsh environment equipment within the scope of 10CFR50.49 (except Reg. Guide 1.97 equipment which was addressed in PLA-1720 dated June 20, 1983). For dynamic qualification, it encompasses all Seismic Cat. I equipment. The report also provides the required response to SER Supplement 5 Sections 1.9 and 3.11.1 (1) (a), and 10CFR50.49 (i).

Since most equipment covered under the SSES qualification program is similar for both units, the qualification of components described in the report applies to both units except where a component is specifically identified as unique to a unit. The listing of components, with identificaton of unit unique components, is contained in Section 5 of the report for environmental qualification and Section 6 for dynamic qualification.

The environmental qualification of equipment has been completed in accordance with the provisions of 10CFR50.49. Most equipment has been qualified to the requirements of NUREG 0588 Cat. II as permitted by the Rule for plants with construction permits issued prior to July 1, 1974. New design equipment purchased after May 23, 1980 has been qualified to NUREG 0588 Cat I. This includes equipment purchased after the effective date of 10CFR50.49, because equipment qualified to NUREG 0588 Cat. I presumably satisfies the qualification provisions of the Rule.

For environmental qualification, the environmental zones for both Units 1 and 2 have identical parameters, and thus the differences between units are a result of different equipment manufacturers or models, or differences in plant design. All equipment listed in Section 5B & 5C of the report, which tabulates all Unit 1 & 2 equipment in the environmental qualification program,

A046
1/A0

is included on 'SCEW' sheets in Sections 5D & 5E. All equipment which is not fully environmentally qualified is identified along with the expected completion date for qualification. For Unit 2 equipment not expected to be qualified by the anticipated Unit 2 fuel load date (January 1, 1984), a justification for safe operation during the interim until the equipment can be qualified has been provided in Section 2H of the report. The justification is prepared in accordance with the guidelines for justifications provided in PLA-1084, dated May 7, 1982.

For dynamic qualification, Unit 2 is unique from Unit 1 if equipment is different or modified from the Unit 1 equipment, or if it is the same type and is placed in a different location or orientation in Unit 2 such that new analysis or testing is required. All equipment which is unit unique for dynamic qualification is identified in the summary listing of Section 6 of the Report.

However, Unit 2 equipment with unit differences in mounting, which are adequately represented in the Unit 1 qualification documentation, are not identified as being different. Also pipe-mounted equipment of the same type and same qualification which may experience different piping g-levels due to different as-built piping in Unit 2 are not separately identified, because the Unit 2 piping analysis resultant g-levels need only be compared to the qualified g-levels, in the same manner as for the same equipment in Unit 1. Because SQRT forms have been previously provided for unit identical equipment, a summary and SQRT forms covering only the dynamic qualification of the Unit 2 different equipment is included in an addendum to the report.

Note that dynamic qualification status of equipment is either Q (qualified) or N (not qualified) in Section 6. In Section 6, unless an item is designated as specific to Unit 1 or Unit 2, the status of equipment in Table 6A applies to both Unit 1 and Unit 2 balance of plant equipment. The status given in Table 6B applies only to the Unit 1 NSSS equipment, and is the expected status for the Unit 2 identical equipment. The Unit 2 NSSS equipment is undergoing SQRT form completion at this time, with completion scheduled prior to November 30, 1983. As described earlier, the qualification of Unit 2 differences is addressed in an addendum to the Report.

Since the Equipment Qualification Report and addendum to the report addresss the qualification of all Unit 2 equipment both similar to and different from Unit 1, the information contained provides a sound basis for addressing qualification in the licensing of Unit 2.

Very truly yours,

NW Curtis

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

Attachment

cc: R. L. Perch - NRC

PREFACE

This report describes Pennsylvania Power and Light Company's (PP&L's) environmental and dynamic qualification program for the Susquehanna Steam Electric Station (SSES). It is Revision 3 to the original environmental qualification submittal. This report represents the status of the SSES qualification program as of April 11, 1983. All references to "present status" are as of that date. Subsequent revisions to this report will be made as the status changes significantly. This revision has been updated to include Unit 2 equipment and dynamic qualification. The updated justifications for interim operation of Unit 1 are also included in Section 2H of this revision.

8309160198

SUMMARY

This report documents the capability of SSES safety related equipment, which is subjected to harsh conditions during design basis events, (class IE only for environmental) to perform its intended safety function during the life of the plant under:

- o normal operating conditions
- o abnormal operating conditions
- o design basis event conditions

The report also documents the dynamic qualification status of SSES Seismic Category I equipment.

The present qualification status of the SSES components is as follows:

	Environmental		Dynamic	
	Unit 1 + Common	Unit 2 Unique	Unit 1 + Common	Unit 2 Unique
Number of Components (Types for Dynamic)	116	5	240	1
Number/Percent Component types qualified	87/ 75%	3/ 60%	234/ 97%	0
Number/Percent Component types complete (not including qualified)	28/ 24.1%	2/ 40%	N/A	N/A
Number/Percent Component types incomplete (not qualified)	1/ 0.9%	0/ 0%	N/A	N/A

The components with qualified status are those with documentation which demonstrates that the component type is qualified in accordance with the applicable requirements as provided by the SSES qualification program. The component types with complete status are those types for which qualification has been evaluated, and testing or modification has been scheduled. Incomplete status means that documentation of the components' qualification contains deficiencies which prevent establishing qualification and/or status or only analysis must be performed to qualify the component. Dynamic qualification status is only qualified or not qualified.

The above status listing reflects the separation of environmental and dynamic portions of qualification for Cat. II. Class 1E equipment. This separation represents the non-sequential nature of the dynamic portion of qualification for Cat. II equipment under the SSES program. For Cat. I equipment, the dynamic qualification is completed as part of the environmental qualification, and this also is reflected in the above listing.

The SSES qualification program as described above, in conjunction with the justification for interim SSES operation until all equipment can be fully qualified, provides assurance that SSES Unit 1 can be brought safely to a cold shutdown condition following a design basis event. Unit 2 is still under construction and not operating.

CHAPTER

CHAPTER 1: INTRODUCTION

1A Report Purpose

The purpose of this report is to identify and explain the Pennsylvania Power & Light Company (PP&L) program for the environmental qualification of all harsh environment Class 1E components, and dynamic qualification of all Seismic Category I components installed in the Susquehanna Steam Electric Station. It is PP&L's intent to comply with the NRC Memorandum and Order CLI-80-21 dated 5/23/80, the NRC SQRT requirements, and NUREG-0588 as provided by 10CFR50.49. To achieve this goal, a major program involving PP&L, its A/E (Bechtel), the NSSS supplier (GE), and numerous vendors has been established.

This document is the third revision to PP&L's Qualification Summary Report for safety-related equipment. Previous report revisions were for environmental qualification only. The initial report (Revision 0) contained the equipment identification list for harsh environment. Revision 1 was a re-evaluation report. Revision 2 provided a status report for PP&L's Unit 1 Environmental Qualification Program. Revision 3 provides a status update for all qualifications. This Summary Report, combined with the Justification for Interim Operation, provides assurance that, following a DBA, the Susquehanna Steam Electric Station can be brought to and maintained in a safe cold shutdown condition.

1B Format

The basic format for Revision 3 of this report is the same as Revision 2. The major change from Revision 2 is the addition of Unit 2 equipment, and dynamic qualifications. Most Unit 2 equipment is identical to Unit 1, and the update for Unit 2 consists mainly of the identification of Unit 2 tag numbers. Unit 2 unique equipment is also identified.

This revision contains an environmental qualification worksheet for each component type and a listing of plant identification numbers associated with that worksheet. Worksheets have been arranged in alphabetical order by component type.

The dynamic qualification of equipment is presented in a consolidated form in a separate section of this report. The dynamic qualification section contains an alphabetical listing of components with qualification methods.

1C Background

Environmental Qualification

In early 1979, PP&L established an Equipment Qualification Task Force to investigate the qualification of Class 1E equipment and to determine problem areas which could affect Susquehanna SES. By the end of March, 1979, this task force had developed a list of potential exposure areas related to Susquehanna SES. Also at that time, PP&L directed the project A/E (Bechtel) to establish a task force to work in conjunction with PP&L's task force to investigate these potential exposure areas and report the findings to PP&L.

During December, 1979, the NRC issued NUREG-0588 for comment. In January, 1980, IE Bulletin 79-01B, which included the DOR Guidelines, was issued. These documents contained the requirements for the environmental qualification of Class 1E components. The NRC interpretations as presented in these documents were not consistent with those which were in use in the nuclear industry at that time. As a result, the work being performed by PP&L and its representatives had to be re-examined. Following the issuance of the Memorandum and Order (CLI-80-21), efforts were redirected and accelerated to comply with the requirements set forth by the NRC.

Since submittal of our Phase I report in November of 1980 (Rev 0), our Phase II report in April of 1981 (Rev. 1), and our status report in April, 1981 (Rev. 2), we have continued to examine and evaluate our program for compliance with the various NRC requirements for equipment qualification. We have sought and received further clarification from the NRC on certain aspects of the requirements for requalification and have modified the program accordingly.

In late 1980, a dedicated equipment qualification project was formed to coordinate the PP&L equipment qualification activities, interface with the NRC, formulate approaches to satisfy NRC requirements, and implement PP&L commitments. This group draws upon the resources of the various engineering disciplines within PP&L to satisfy the goals of the program.

Dynamic Qualification

Prior to 1979 and during the SSES PSAR stage, equipment specifications required seismic qualification to IEEE 344, 1971. Emphasis was placed on seismic qualification by analysis. For certain equipment where difficulty was encountered in analyzing seismic behavior, dynamic testing was performed. Equipment was analyzed or tested in the seismic range of 1 to 33 Hz. Specification 8856-G10 was issued in 1972 for the seismic qualification of Class 1E equipment. This specification included the requirements of IEEE 344, 1971.

In March, 1976, the NRC issued Regulatory Guide 1.100 for comment. Regulatory Guide provided guidelines to account for the effects of multifrequency, multiaxis inputs and required a review of the adequacy of equipment previously qualified by single axis, single frequency methods. It did not have an immediate effect on SSES because Regulatory Guide 1.100 endorsed IEEE 344, 1975.

In early 1977, GE identified new dynamic loads (hydrodynamic) which were due to safety relief valve blowdown and LOCA. A GE proposal was made to reduce conservatisms in order to qualify equipment to the new loads.

Bechtel issued Specification 8856-G22 for the seismic and hydrodynamic qualification of Category I equipment in November, 1978. In January, 1979, SSES Floor Response Spectra Specification 8856-G24, Revision 0, was issued and ushered in Phase II of the SSES dynamic qualification program. Specification 8856-G22 incorporates the requirements of IEEE 344, 1975 and Regulatory Guides 1.100 and 1.92.

The PP&L equipment qualification task force, which originated in early 1979, also had the responsibility for equipment dynamic qualification. It was later decided that the responsibility for dynamic qualification would be a separate effort, which is continuing as the current dynamic qualification program.

As part of this program, a concerted effort for equipment dynamic qualification to new loads (hydrodynamic) began in 1979 in preparation for the NRC Seismic Qualification Review Team (SQRT) audit which was held in March, 1981.

A second NRC SQRT audit was held in August, 1981.

The equipment dynamic qualification effort is continuing with additional dynamic qualification of NSSS equipment and dynamic qualification of equipment and components added to the program because of ongoing design changes.

CHAPTER 2: PROGRAM

2A Intent

The objective of PP&L's Qualification Program is to insure that all equipment at Susquehanna SES satisfies or exceeds the requirements established by the NRC for plants with construction permits issued prior to July, 1974, for operation under normal, postulated accident and post-accident conditions, in accordance with the description in this Summary Report.

In order to accomplish this objective, the following program, to be used in conjunction with the SSES QA/safety programs, has been initiated:

- New design equipment components purchased after May 23, 1980, will be qualified to the Category I requirements of NUREG-0588. An exception to this policy is made for major equipment components that duplicate already existing components which are qualified to NUREG-0588 Cat. II and SQRT requirements and are not intended to be replaced during the life of the plant. These components may be purchased identical to existing components.

- Equipment components purchased prior to May 23, 1980, are being qualified to the Category II requirements of NUREG-0588, and SQRT requirements, as a minimum. Certain containment components are being qualified to Cat. I.

- Qualification of replacements is described in Section 2E of this report. Generally, currently used replacements will be employed. For substitutes, equipment identical to that used elsewhere in the plant may be used provided qualification is maintained at the same level as the original. Methods similar to those outlined is Section 2B of this report will be used for qualification of replacements.

- A central file has been established which contains environmental and dynamic qualification documentation for SSES equipment. Included in this file is supporting data such as test reports, correspondence, procedures, etc. In general, this file will contain all information relevant to equipment qualification. When information is not included in the file, the location of the information will be identified.

- The PP&L computerized preventive maintenance program will be used to insure replacement of components and subcomponent prior to their end-of-qualified-life. In addition, the maintenance program, through surveillance, will be used to detect trends of component and subcomponent deterioration indicating a life less than that identified by the equipment qualification program.

- For the purposes of this program, the following definitions will apply:

  Components - Major electrical items from which a system is assembled. (Examples include motors, switchgear, battery chargers, batteries, etc.) A listing of major Class 1E components required to function in harsh environments can be found in Sections 5B and 5C of this report.

Subcomponents - Items from which a component is assembled, and for which all of the following criteria apply:

- Normally replaced during maintenance following any incident of random failure.

- Normally mass produced and commercially available.

- Unique engineering design specifications are not required to purchase the item.

- Not identified as a component in the PP&L Qualification Summary Report for Class 1E Equipment or the SSES Equipment Data Base.

(Examples include fuses, overload heaters, resistors, capacitors, diodes, etc.)

Qualified - Has been determined to meet the applicable qualification requirements such as NUREG-0588 and/or SQRT in accordance with the SSES EQ Program.

Qualification Evaluation Complete - Available qualification documentation has been evaluated, qualification deficiencies have been identified, and a plan for qualification by testing or modification has been established.

Qualification Evaluation Incomplete - Available qualification documents have not been evaluated, or an analysis must be performed to qualify the component, or available documentation indicates the component cannot be qualified for the SSES application.

Substitute - A piece of equipment not identical to the original, which is used in place of the original piece of equipment, and performs the same function as the original equipment. A currently used substitute is a substitute not identical to the original, but identical to a piece of equipment used elsewhere in the plant.

Spare - A piece of equipment purchased and maintained at the plant which is intended to replace a piece of equipment installed in the plant. An identical spare is identical to the equipment it is intended to replace.

Replacement - A spare or substitute.

New Design Equipment - Components used in modifications, excluding substitutes.

2B Program Outline

Environmental

The environmental qualification program is being conducted in four (4) phases. The phases are arranged to provide a maximum degree of evaluation information at the earliest available dates. The phases are identified as follows:

Phase I: Equipment Identification List
Actual Completion Date: November 1, 1980 (Unit 1)
February 25, 1983 (Unit 2)

Description: The objective of this phase was to provide a list of Class 1E components which are required to function in a harsh environment under postulated accident conditions. Accident conditions are defined as the LOCA/HELB inside containment, and HELB outside containment. This also includes loss of Non-Class 1E HVAC equipment that could cause a harsh environment.

This list was prepared from existing equipment qualification documentation and identified the basis to which the component was qualified and the basis to which it was required to be qualified.

It should be noted that in certain instances as part of the Unit 1 Phase I summary, a preliminary evaluation was made comparing SSES environmental qualification documentation to the DOR Guidelines and/or NUREG-0588.

Phase II: Equipment Re-evaluation
Actual Completion Date: April 9, 1981, BOP (Unit 1)
January 15, 1982, NSSS (Unit 1)
May 1, 1983 (Unit 2)

Description: The objective of this phase was to assemble qualification information, re-evaluate all Class 1E components located in harsh environments and determine the extent of additional action required to qualify each component for its service conditions. The re-evaluation identified the degree to which the component was qualified.

The first step in the process of defining the required qualification action for Class 1E equipment was examination of available documents. If a Class 1E component could not be established as qualified through available documentation, an action plan was developed to qualify the component through one of the following methods:

1. Analysis - The method used when information available appears to be sufficient to enable qualification through application of accepted mathematical or logical processes.

2. Testing - A comprehensive method of qualification used when the qualification information available is substantially incomplete.

3. Replacement - An item must be replaced if information available indicates that the item cannot perform its required safety function under the environmental conditions anticipated.

4. Modification or relocation - This is a method used when an item can be adapted (including relocation) such that acceptable qualification can be achieved.

Phase III: Equipment Requalification Status
Scheduled Update: February 25, 1983 (Units 1 & 2)

The objective for this phase is to provide a status of the qualification effort which, in conjunction with the justification for interim operation, provides assurance that the Susquehanna Steam Electric Station can be brought to safe cold shutdown following a DBE. The justification for Unit 1 interim operation for Unit 1 was provided separately from this report at the time of program audit (5/7/82). The justification is primarily based upon the establishment of a single qualified path to cold shutdown. A brief description of the justification and most recent update is presented in Section 2H of this report, with updates of justifications for individual pieces of equipment.

Phase III will be accomplished through various programs. These include Susquehanna SES unique programs performed by the A/E (Bechtel) and consultants such as Torrey Pines Technology (TPT), group programs performed under the auspices of the NSSS supplier (G.E.) and programs performed by PP&L.

Outputs of this Phase include Rev. 2 & 3 of this Summary Report.

Phase IV: Final Equipment Qualification
Scheduled Completion Date: End of First Refueling Outage (Unit 1 & 2)
(or 3/31/85 for Unit 2, whichever is earlier)

Description: This phase will result in completion of all action plans and documentation necessary to demonstrate qualification of all Class 1E components, in harsh environments.

Dynamic

The dynamic qualification of equipment has been completed for all Unit 1 equipment except for a small number of component types. These remaining components for Unit 1 will be qualified by the end of first refueling outage. (See Section 6A.)

For Unit 2 equipment, most of the equipment items are expected to be identical to Unit 1. For these items, the SQRT documents must be updated. The Unit 2 BOP equipment not identical to Unit 1 has been identified with qualification plans in place. Unit 2 NSSS equipment has yet to be compared to Unit 1 equipment.

2C Environmental

A. Balance of Plant Equipment (BOP)
Bechtel Power Corporation

Bechtel Power Corporation is PP&L's authorized agent to purchase all original Balance of Plant Equipment. As such, Bechtel has been assigned primary responsibility for the completion of the qualification for this equipment. Phases I and II were completed as documented for the NRC in previous submittals.

Phase I consisted of identification of Class 1E equipment. Phase II consisted of a re-evaluation of the existing documentation and comparison of this documentation to the requirements of the applicable category of NUREG-0588. This was done in an orderly, systematic manner in accordance with the approved Bechtel QA program and included completion of checklists as required to insure auditability of the process and consistency in the results. The checklists used were as follows:

1) "A" - Review of Test Procedures

2) "B" - Review of Test Reports

3) "C" - Comparison to NUREG-0588

4) "D" - Equipment not Qualified to NUREG-0588

This process was developed jointly with PP&L and was monitored closely through review of the output and auditing by PP&L.

Where a component was found not to be qualified through the re-evaluation, requalification was undertaken. Requalification is the action required to obtain adequate qualification verification for existing components. In most instances, components which have been designated as requiring requalification have insufficient documentation. These components have been purchased to engineering specifications and should be adequate to perform their function in the environment in which they have been installed.

Generally, the first requalification action was to contact the vendor to obtain the additional documentation required. The vendors responded in varying degrees of conformance with the qualification program requirements. Each response was analyzed as to expected success within the time frame available. Every effort was made to obtain a positive response from each vendor.

For each component having deficiencies not resolved by vendor responses, updated action plans were developed. These action plans were designed to provide qualification through either replacement, analysis, type testing, modification, or relocation. The status of these actions is delineated in this submittal.

Supporting documentation has been assembled by individual purchase order or component type and forwarded to PP&L. This documentation is reviewed and approved by PP&L.

B. NSSS Equipment

General Electric, the NSSS supplier for Susquehanna SES, had limited responsibilities in the completion of Phases I and II of this program.

As a result of PP&L's findings during the Phase II effort, it was decided that the most expeditious and effective path to achieving qualification for NSSS equipment was to make use of a single experienced consultant capable of implementing a highly intense dedicated program. The consultant selected to perform this task was Torrey Pines Technology (TPT), a division of General Atomic.

TPT's initial task was to review Phase II of PP&L's qualification program for NSSS equipment and provide new document packages with action plans. Extensive reviews of documents available at GE were conducted to obtain all environmental qualification information available. Individual files for each Class 1E component type were prepared. Upon completion of this effort, TPT implemented the requalification program through methods similar to those used for BOP equipment. The finalized documentation packages contain sufficient information to support the conclusions relative to qualification status and information replacement, modification or relocation. The information contained in the packages, along with the status of qualifications, was assembled as part of the Phase III effort. The qualification status is reflected in this report.

TPT's environmental qualification activities were performed under PP&L's direction using an approved program and approved procedures. PP&L quality assurance has audited in detail TPT's environmental qualification activities under this program.

TPT has submitted environmental qualification packages to PP&L for review and approval and inclusion in the central file.

2D Dynamic

GENERAL

Section 6 of this report contains the Seismic Category I Equipment Summary by Component type (Section 6 of this submittal) for the Susquehanna Steam Electric Station Unit 1. The report contains a list of equipment and a brief qualification description for each equipment type which has undergone a dynamic qualification assessment. Seismic Category I equipment was qualified to both seismic and hydrodynamic loads for equipment located in the reactor building and control structure and seismic only loads for other areas. In addition to seismic (OBE & SSE) and hydrodynamic (SRV & LOCA) loads, other loads such as dead loads, live loads, operating loads, pressure loads, thermal loads, nozzle loads, and equipment piping interaction loads, as applicable, were also considered in the qualification assessment.

QUALIFICATION METHOD

The adequacy of the design of the equipment was assessed by either dynamic analysis, testing under simulated conditions or a combination of testing and analysis. The choice was based on the practicality of the method depending upon function, type, size, shape, and complexity of the equipment and the reliability of the qualification method.

1. Analysis

The majority of the mechanical equipment, along with some instrumentation and electric equipment, was assessed by dynamic analysis. The dynamic analysis of this equipment was classified into three groups according to the relative rigidity of the equipment. When the equipment was structurally simple, it was adequately represented by a one degree of freedom system. When the equipment was structurally rigid, its fundamental frequency was greater than 33 Hz for the consideration of seismic loads, and greater than 80 Hz for the consideration of hydrodynamic loads. The equipment was termed structurally complex when it could not be classified as structurally simple or rigid.

The required response spectra for specific equipment was obtained from the building response spectra for the floor at which the equipment was located for earthquake and hydrodynamic loads.

For equipment which was structurally simple, the dynamic loading (either seismic and/or hydrodynamic) consisted of a static load corresponding to the equipment weight times the peak acceleration selected from the required response spectrum. The acceleration selected corresponded to the equipment's natural frequency, if the equipment's natural frequency was known. If the equipment's natural frequency was not known, the acceleration selected corresponds to the maximum value of the response spectra.

For equipment which was structurally rigid, the seismic load consisted of a static load corresponding to the equipment weight times the

acceleration at 33 Hz, selected from the appropriate response spectrum, or the hydrodynamic loading consisting of a static load corresponding to the equipment weight times the acceleration at 80 Hz, selected from the appropriate response spectrum.

For the purposes of analysis of structurally complex equipment, the equipment was idealized by a mathematical model which adequately predicts the dynamic properties of the equipment. A dynamic analysis was performed using an industry proven analysis procedure. An acceptable alternative method of analysis was by static coefficient analysis for verifying structural integrity of frame type structures such as members physically similar to beams and columns that could be represented by a simple model. No determination of natural frequencies was made, rather the response of the equipment is assumed to be the peak of the response spectrum at the correct damping values. This response is then multiplied by a static coefficient of 1.5 to take into account the effects of both multi-frequency excitation and multimode response.

2. Testing

The majority of the electrical and instrumentation equipment, along with some mechanical equipment, was assessed by testing. Such data conformed to one of the following:

2.1 Performance data of equipment which had been subjected to equal or greater dynamic loads (considering appropriate frequency range) than those experienced under the specified dynamic loading conditions.

2.2 Test data from similar (proven by similarity analysis) equipment previously tested under comparable conditions, which had been subjected to equal or greater dynamic loads than those specified.

2.3 Actual testing of equipment in operating conditions simulating, as closely as possible, the actual installation, the required loadings and load combinations.

A continuous sinusoidal test, sine beat test, or decaying sinusoidal test was used when the applicable floor acceleration spectrum was a narrow band response spectrum. Otherwise, random motion test (or equivalent) with broad frequency content was used.

The equipment to be tested was mounted in a manner that simulated the actual service mounting. Sufficient monitoring devices were used to evaluate the performance of the equipment. With the appropriate test method selected, the equipment was deemed to be qualified if the test response spectra (TRS) enveloped the required response spectra (RRS) and the equipment did not malfunction or fail. A new test was not conducted if equipment required only very minor modifications such as additional bracings or change in switch model, etc., provided proper justification was given for such modifications and it was proved that such modifications would not jeopardize the strength and function of the equipment.

3. Combined Analysis and Testing

There were several instances (involving mechanical, electrical and instrumentation equipment) where the qualification of the item by analysis alone or testing alone was not practical or adequate because of its size, or its complexity, or large number of similar configurations. In these instances, a combination of analysis and testing was the most practical. The following was the general approach:

3.1 An analysis was conducted on the overall assembly to determine its stress level and the transmissibility of motion from the base of the equipment to the critical components. The critical components were removed from the assembly and subjected to a simulation of the dynamic environment on a test table.

3.2 Experimental methods were used to aid in the formulation of the mathematical model for any piece of equipment. Mode shapes and frequencies were determined experimentally and incorporated into a mathematical mode of the equipment.

4. General Valve Qualification Method

The majority of Q-listed, safety-related valves located in the Susquehanna SES containment, Reactor Building, and Control Structure undergo a four-phase qualification program for combination seismic and hydrodynamic loads.

The Phase I program consists of the theoretical determination of the maximum steady state acceleration capacity of each valve type. The respective valve vendors perform these maximum-g calculations which are used for the acceptability criteria when the piping system stress analysis results are available (Phase IV program). In addition, these calculations determine natural frequencies of each valve from 1 to 100 Hz. These natural frequencies are used in the preparation of the piping stress analysis dynamic model to account for any valve upperstructure amplification associated with each resonance.

Phase II includes the functional testing of all representative active valves under the maximum-g load capacity calculated in Phase I. The objective is to verify that the subject valve will perform its specified safety-related function during and/or following a seismic/hydrodynamic event. A static load equivalent to the calculated max-g is applied on the valve upperstructure in the weakest direction of the yoke. Motor voltages and diaphragm air pressures are reduced to 80% of normal supply values. Each valve is pressurized to its normal operating parameter. Any deflection or binding of the valve which may occur during the close to open to close test cycle are accounted for both visually and by recorded opening/closing time. Seat leakage is monitored before, during and after the testing.

Phase III includes the qualification of all representative motor and air actuators utilized on the safety-related valves. This requires the

vendor of each actuator type to perform complete shaker table testing including a 1 to 100 Hz resonance frequency search and a subsequent maximum-g, sine-beat input excitation in accordance with IEEE-344-75 guidelines. Valve operability is demonstrated before, during, and after the testing.

The Phase IV program consists of evaluating the maximum-g qualification of each valve with respect to the local valve location g-level as calculated by the piping stress analysis program. Verification is made to ensure that the qualified valve g-levels exceed those transmitted by the piping system. For those instances where the results of the piping analysis indicate a resultant load greater than the maximum capability of the valve, piping support and anchor redesign and retrofit is undertaken and revised piping calculations are performed on an iterative basis.

2E Policy for Qualification of Replacements

PP&L intends to comply with the provisions of the May 23, 1980 Memorandum and Order CLI-80-21 (and as provided in 10CFR50.49) section that covers spare and replacement parts which states, "unless there are sound reasons to the contrary, the 1974 standard in NUREG-0588 will apply."

Following consideration of this provision, PP&L has concluded that the protection of the health and safety of the public and PP&L employees will be maximized by use of currently used replacements wherever possible. The use of currently used replacements will insure qualification of all equipment to at least NUREG-0588, Category II and SQRT, through the qualification of all components, as provided by the ongoing qualification program. Use of new replacements, whether or not they are qualified to NUREG-0588 Category I, raises serious concerns regarding the compatibility of the items used, and may result in confusion and decreased human factors effectiveness due to non-standardization of equipment.

Components

A reasonable effort will be made to procure identical components qualified to the Category I requirements of NUREG-0588, or to some lesser degree where an identical component qualified to NUREG-0588 Category I cannot be readily obtained.

If an identical component cannot be used, PP&L may employ a currently used substitute qualified to the highest level available but to at least Cat. II or at least the level of the original. If a currently used substitute is not employed, a functionally and physically equivalent component may be used. This equivalent component shall be qualified to NUREG-0588 Category I, where possible, or to some lesser standard where a component qualified to NUREG-0588 Category I cannot be obtained.

Subcomponents

Identical spares will be used when available. Subcomponents used as identical spares for existing qualified equipment will be qualified to Cat. II as a minimum, by virtue of qualification of the related component.

If an identical spare is not employed, a currently used substitute, which does not degrade the qualification of the original, may be used.

If an identical spare or currently used substitute cannot be used, a subcomponent which is functionally and structurally most similar to the original may be used, provided that an evaluation is performed to demonstrate that the overall component qualification remains valid.

If a subcomponent cannot be obtained as described above, a subcomponent qualified to the highest level available may be used, provided the qualification of the related component is acceptable as described under this SSES qualification program.

2F Environmental Qualification - Quality Assurance

The PP&L Nuclear Quality Assurance program for SSES has been applied to the SSES qualification program as described below. This QA program is described in FSAR Chapter 17 and is implemented through the PP&L Quality Assurance Manual or Operational Policy Statements and subtier manuals and procedures. The application of the QA program has been developed in conjunction with the regulatory requirements for qualification.

Specific areas of 10CFR50 Appendix B requirements addressed under the PP&L program include the following as described:

A. Records - PP&L has established a nuclear records system for all QA records generated for SSES including qualification documents. The qualification document files will be stored as QA records at the completion of the EQ project for original equipment.

B. Document control - The qualification files will be controlled documents with approvals and revision controls.

C. Design control - Design changes and plant modifications to equipment resulting from qualification requirements are performed in accordance with PP&L and vendors' approved QA programs.

D. Audits - Independent audits of PP&L and vendor qualification activities are performed by quality assurance auditors.

E. Test control - Qualification testing is performed using approved test plans or specifications to assure valid test results. Test equipment used is appropriately calibrated.

F. Identification of deficiencies - Deficiencies in qualification documentation are recorded through written reviews. The resolution of deficiencies is documented.

G. Procurement - Replacement items for equipment required to be procured for equipment qualification reasons are purchased with application of appropriate provisions of 10CFR50 Appendix B.

The above quality assurance provisions are accomplished for qualification through the application of existing procedures where possible. If no applicable procedure exists, a procedure specific to qualification may be written.

PP&L's architect engineer (Bechtel) has provided a special appendix in their Engineering Procedures Manual for preparing environmental qualification documents. The application portions of Bechtel's QA program are implemented where appropriate for environmental qualification activities.

The PP&L consultant for NSSS equipment qualification, Torrey Pines Technology, has prepared a Quality Assurance Program Document (QAPD) for procedural definition of their activities relative to equipment qualification.

2G Maintenance and Surveillance

A maintenance and surveillance program has been developed for SSES equipment. Procedures have been generated to implement the program. The program purposes include:

- Assuring timely replacement of equipment with a qualified life less than the plant life.
- Assuring performance of maintenance required to sustain qualification of the installed equipment.
- Assuring performance of surveillance to identify deterioration of installed equipment.
- Assuring analysis to identify trends of equipment degradation.
- Assuring proper implementation by maintenance personnel.

To accomplish the objectives of the maintenance program as related to qualification, PP&L's Nuclear Plant Engineering reviews information contained in the qualifications and supplies qualified life, required maintenance with replacement intervals, and surveillance requirements to SSES plant staff.

The SSES plant maintenance staff will utilize the information provided as input to the computerized Plant Maintenance Information System (PMIS). This system produces Plant Maintenance Work Authorizations (PMWAs) which are forwarded to the plant maintenance department to perform the necessary work. Frequency and scope of plant maintenance will be reviewed under plant procedures to identify abnormal degradation. Results of required surveillance are sent to Nuclear Plant Engineering for evaluation and possible alteration of maintenance and surveillance requirements. PP&L maintenance personnel will also be instructed to observe equipment during maintenance and surveillance for any degradation.

2H Justification for Interim Operation

PP&L has undertaken a study to provide assurance that the Susquehanna Steam Electric Station will have a level of qualification consistent with safe operation of the plant during the period prior to the time when all Class 1E equipment is fully qualified. This study demonstrates the ability to achieve and maintain a safe cold shutdown condition following a DBE.

The first step in this study was the identification of the design basis events that can result in a harsh environment. For each of these events a system level path, including support systems, was defined. These paths would be used to achieve and maintain a cold shutdown assuming no failure of equipment except for that equipment which would be disabled by the initiating event. The Class 1E equipment located in a harsh environment that is part of the system defined and is necessary to mitigate the event will be identified.

For each of these identified equipment items, the study demonstrates that either the equipment is fully qualified or justified. Equipment which cannot be justified will be replaced by a qualified or justified device in a timely manner consistent with safe operation of the plant. The justification followed proposed rule 10CFR50.49 or use sound engineering judgment that demonstrates a high degree of confidence that the device will be able to perform its safety function during the period prior to full qualification.

For harsh environment Class 1E devices that were not part of the cold shutdown path or paths, the study demonstrates that the equipment is either qualified, justified, will be replaced, or that failure will not prevent achievement and maintenance of a safe cold shutdown condition.

The justification for interim operation (Unit 1) has been completed. The original report was submitted to the NRC in a letter dated 5/7/82 (PLA-1084). The set of justifications which follow in this section replace all previous justifications.

Owner : Pennsylvania Power & Light
Facility : Susquehanna Unit 1 (SSES #1)

Project No. 2400

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:037
E.Q.E.L. Item No. 037 Date 8-12-82 Revision B
Prepared by M. Gitterman
Item Name Detector, Asst., Power Range, GE Revised by M. Gitterman
Reviewed by [illegible]
System: Neutron Montitoing System

Tag No: B11-D193 — Power Range Monitors

1. Interim Operation is: X Justified ___ Not Justified

For Control Rod Drop Accident Only.

2. Justification for Interim Operation:

PRM's provide no safety function in LOCA or HELB accidents since reactor scram signal is provided by Qualified Instruments, reactor vessel low water level and/or high containment pressure (LOCA) or MSIV closure (HELB). In a rod drop accident, the high flux scram signal is generated in less than one second (FSAR Table 15.4-8) at 120% power. Over this time frame, ambient conditions to which the PRM's are exposed do not change significantly and thus for the rod drop accident the PRM's can be considered exposed only to a benign environment. Should the PRM's fail to provide a scram signal, the initial power excursion is terminated by the Doppler coefficient and a backup scram signal is generated by closure of the MSIV's on detection of high radioactivity in the main steam lines. Therefore, failure of these components will not preclude the ability to accomplish or maintain cold shutdown.

3. Component(s) Safety Function:

Generate scram signal at 120% power.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

Rod drop accident.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048
E.Q.E.L. Item No. 048A&B
Date 3/16/83 Revision A
Prepared by R. E. House
Item Name Flow Pressure Transmitter-Rosemount
Revised by
Reviewed by

System: See Following Pages

Tag No: See Following Pages

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

Tag No. specific justifications for interim operation for all GE supplied Rosemount 1151 and 1152 Flow/Pressure Transmitters as presently installed are provided on the following pages. The transmitters themselves are qualified. However, in areas where moisture ingress could occur, an appropriate conduit entry seal must be utilized. An installation modification is in preparation, and, when completed, will result in the required configuration.

3. Component(s) Safety Function:

See Following Pages

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

See Following Pages

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048
Date 4/5/82 Revision C
Prepared by R. Wise
Revised by R. Wise
Reviewed by [illegible]

E.Q.E.L. Item No. 048 A&B

Item Name: Flow Transmitter

System: Core Spray (CS)

Tag No: E21-N003A/B(FT-1N003A/B)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, provided by the core spray system, which is not on the cold shutdown path, is also provided by environmentally justified systems on the cold shutdown path (ADS + LPCI mode of RHR system). Failure of these components could give the operator erroneous information concerning the system. However, mis-operation or total loss of the system would be of no consequence because the system is not on the cold shutdown path. Therefore, failure of the component will not preclude the accomplishment of the ability to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

Provides flow signals to indicators in the control room for each loop of the core spray system which provides core cooling when the reactor vessel is depressurized.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date 3-2-83 Revision D
Prepared by M. Gitterman
Revised by R. Wise
Reviewed by [illegible]

E.Q.E.L. Item No. 048 A&B

Item Name Pressure & Flow Transmitters

System: MSIV-LEAKAGE CONTROL SYSTEM (MSIV-LCS)

Tag No: E32-N050; N051 B,F,K,P; N054; N060; N061 B,F,K,P

(PT-1N050; PT-1N051 B,F,K,P; FT-1N054; PT-1N060; PT-1N061 B,F,K,P)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The flow transmitters are qualified except for the conduit entry moisture seal.

The transmitters, PT-1N050 and PT-1N060, are located in the Reactor Building at El. 749'-1" (J27-5 @ Q/26.5). There are no high energy lines in the area where these transmitters are located, therefore, there is no source of moisture for events 43, 44, 45 (HELB). These transmitters are, therefore, qualified for their environment and will perform their safety function.

The transmitters PT-1N051B,F,K,P; FT-1N054; PT-1N060B,F,K,P are not required to function for events 43, 44, 45 (HELB) which produce harsh environment outside containment. The transmitters are located in the Reactor Building at EL. 749'-1" (J27-4 @ Q/27) and a 2", HCU charging water line (1500 PSI) is in the area of the transmitters. A break in this line could cause a failure in these transmitters by moisture ingress, but they are not required to respond to this event (43), therefore, these transmitters are qualified for their environment in which they perform a safety function.

3. Component(s) Safety Function:

PT-N051 B,F,K,P — To provide signals, based on pressure upstream of outboard MSIV. These signals feed a switch and timer which close the inlet bleed and depressurization valves, when pressure is above 5 psig, 1 minute after system initiation.

PT-N061 B,F,K,P — To provide signals to a switch which prevents opening of the bleed valves when pressure upstream of outboard MSIV is above 35 PSIG.

PT-N050 and 60 — To provide signals which prevent blower initiation when reactor pressure is above 35 psig. Either instrument reading less then 35 psig will allow blower initiation.

FT-N054 -- To provide a flow signal based on the differential pressure across a flow element in the dilution air intake line. This signal prevents opening of the bleed valves when flow is below the setpoint and closes the valves of flow decreases to an adequate level during operation.

4. Accident(s) for which Component(s) must be Qualified: None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048
Date 4-2-82 Revision A
Prepared by R. Wise
Revised by
Reviewed by

E.Q.E.L. Item No. 048 A&B

Item Name Flow Transmitter

System: MSIV Leakage Control System (outboard subsystem)

Tag No: E32-N059 (FT-1N059)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

This flow transmitter is in a system which is part of the cold shutdown path. However, failure of the subject component is of no consequence since it has no control function. Failure of this component would be significant only if there is a blockage in the dilution air intake line; but, because no failures in the qualified equipment of the cold shutdown path are assumed, there will be no failure for the subject component to detect. Therefore, failure of the subject component can not prevent achievement and maintenance of cold shutdown.

3. Component(s) Safety Function:

To provide a signal based on flow in the dilution air intake line. The signal is used as input to an alarm and indicator in the control room.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048
Date: 4/5/82 Revision C
Prepared by R. Wise
Revised by R. Wise
Reviewed by [illegible]

E.Q.E.L. Item No.: 048A&B

Item Name: Flow Transmitter

System: High Pressure Coolant Injection (HPCI)

Tag No: E41-N008 (FT-1N008)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, core cooling, provided by the HPCI system which is not in the cold shutdown path is also provided by environmentally justified systems on the cold shutdown path (ADS + LPCI mode of RHR). Failure of this component may cause erratic operation of a system for which no credit has been taken for the cold shutdown path. Therefore, failure of this component will not preclude the justified systems from achieving and maintaining cold shutdown.

3. Component(s) Safety Function:

Supplies a flow signal to the HPCI turbine control so that the system flow can be changed to meet the requirements for core cooling during the times when reactor vessel pressure is too high to use the low pressure systems.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048
Date 4-5-82 Revision B
Prepared by E. Gagnon
Revised by
Reviewed by

E.Q.E.L. Item No. 048A&B

Item Name Pressure Transmitter

System: High Pressure Coolant Injection (HPCI)

Tag No: E41-N009 (PT-1N009)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety functions, core cooling, of the HPCI system is also provided by environmentally justified systems (ADS + LPCI mode of RHR system) on the cold shutdown path. Transmitter failure could cause erroneous indication in the control room and lead to HPCI pump damage and/or loss of the HPCI system. Any failure of this transmitter will not prevent the above justified system from achieving and maintaining a cold shutdown.

3. Component(s) Safety Function:

Provides HPCI pump discharge pressure signal to indicator in control room.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048

E.Q.E.L. Item No.: 048A&B

Date 4/5/82 Revision C

Prepared by R. Wise

Item Name Flow Transmitter

Revised by R. Wise

Reviewed by [illegible]

System: Reactor Core Isolation Cooling (RCIC)

Tag No: E51-N003 (FT-1N003)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, core cooling, provided by the RCIC system which is not on the cold shutdown path, is also provided by environmentally justified systems on the cold shutdown path (ADS + LPCI mode of RHR). Failure of this component may cause erratic operation in the system for which no credit is taken for the cold shutdown path. Therefore, failure of this component will not preclude the accomplishment of the ability to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

Provides a flow signal input to the RCIC turbine controls so that the system flow can be changed to meet the requirements for core cooling during the times when reactor vessel pressure is too high to use the low pressure systems.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date 4-5-82 Revision B
Prepared by E. Gagnon
Revised by
Reviewed by

E.Q.E.L. Item No. 048A&B

Item Name Pressure Transmitter

System: Reactor Core Isolation Cooling (RCIC)

Tag No: E51-N004 (PT-1N004)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, core cooling, of the RCIC system is also provided by environmentally justified systems (ADS + LPCI mode of RHR system) on the cold shutdown path. Transmitter failure could cause erroneous indication in the control room and lead to RCIC pump failure and/or loss of the RCIC system. Any failure of this transmitter will not prevent the above justified systems from achieving and maintaining a cold shutdown.

3. Component(s) Safety Function:

Provides RCIC pump discharge pressure signal to indicator in the control room.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No. 048 A&B

Item Name Flow Transmitters

System: Reactor Water Cleanup (RWCU)

Tag No: G33-N012, 036, 041 (FT-1N012, 036, 041)

Technical Document No: 2400:MAV:048
Date 12/22/82 Revision D
Prepared by M. Gitterman
Revised by R. Wise
Reviewed by [illegible]

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

Failure of these components is of no consequence because their function can be performed by other qualified equipment (see item 3 below). In addition, this system is automatically isolated in response to a LOCA or HELB. These items are not part of a system which is required for the cold shutdown path. Therefore, these components will not affect the ability to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

To detect small leaks by comparing system inlet and outlet flows and supply a signal to isolate the system. PDSH-N044A supplies a similar leak detection function by detecting high flow in the RWCU system. In addition, small leaks can be detected by the temperature portion of the isolation logic. TE-1N016A/F supplies isolation signals when they detect high ambient temperature in the RWCU equipment area, and TE-1N022A/F in conjunction with temperature in the RWCU equipment area, and TE-1N022A/F in conjunction with TE-1N023A/F supplies isolation signal when they detect high differential temperature between the inlet and outlet of the equipment area ventillation ducts. The temperature measurement is also part of the leak detection and isolation instrumentation. PDSH-N044A and all of the listed temperature elements are qualified.

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:48
E.Q.E.L. Item No.: 048 A&B
Date 3-3-83 Revision: D
Prepared by: M. Verdugo
Item Name: Transmitter-Rosemount
Revised by: E. Gagnon
Reviewed by M. Verdugo

System: Residual Heat Removal System (RHR)

Tag No: E11-N007A (FT-1N007A)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The Flow Transmitter is qualified except for the conduit entry moisture seal. The transmitter is located in the Reactor Building at El. 645'-0"(U/25) and the Control Rod Drive Water Pump, 1P132 A&B, Discharge Line, 3"-DBD-108 (1500 Psi) is in the area of the transmitter. A break in this line could cause a failure of the transmitter by moisture ingress, but a failure of this measurement (Loop A) does not preclude the ability of Loop B of the RHR (LPCI) to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

The safety function of this transmitter is to monitor RHR service water flow (LPCI Mode of Operation) for extended core cooling. This flow measurement is required for the preferred cold shutdown path and is required for events 40, 42, 43, 44 and 45.

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date: 3/2/83 Revision: C
Prepared by: M. A. Verdugo
Revised by: E. Gagnon
Reviewed by: MAVerdugo

E.Q.E.L. Item No. 048 A&B

Item Name: Transmitter-Rosemount

System: Residual Heat Removal System (RHR)

Tag No: E11-N007B (FT-1N007B)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The flow transmitter is qualified except for the conduit entry moisture seal.

The transmitter is located in the Reactor Building at El. 683'-0" (U/23). There are no high energy lines in the area where this transmitter is located, therefore, there is no source of moisture for events 43, 44, 45 (HELB).

This transmitter is, therefore, qualified for it's environment and will perform its' safety function during and after events producing Harsh Environment.

3. Component(s) Safety Function:

The safety function of this transmitter is to monitor RHR service water flow (LPCI Mode of Operation) for extended core cooling. This flow measurement is required for the preferred cold shutdown path and is required for events 40, 42, 43, 44 & 45.

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date: 3/2/82 Revision: C
Prepared by: M. A. Verdugo
Revised by: E. Gagnon
Reviewed by: M. A. Verdugo

E.Q.E.L. Item No. 048A&B

Item Name: Transmitter-Rosemount

System: Nuclear Boiler System

Tag No: B21-N055A (PT-1N055A)

Reactor Vessel Wide Range Pressure

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The pressure transmitter is qualified except for the conduit entry moisture seal.

The transmitter is located in the Reactor Building at El. 749'-0" (R/26.5). There are no high energy lines in the area where this transmitter is located, therefore, there are no sources of moisture for events 43,44,45 (HELB).

This transmitter is, therefore, qualified for it's environment will perform it's safety function during and after events producing harsh environment.

3. Component(s) Safety Function:

Supplies and pressure signal to the Reactor Vessel Wide Range Recorder (LR/PR-1R623A) in the Control Room for events 40, 42, 43, 44, 45. This measurement is required for the Post Accident Monitoring System and is required for the preferred Cold Shutdown Path.

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No. 048 A&B

Item Name: Transmitter-Rosemount

Technical Document No: 2400:MAV:048
Date: 3/3/83 Revision: D
Prepared by: M.A. Verdugo
Revised by: E. Gagnon
Reviewed by: MAVerdugo

System: Residual Heat Removal System (RHR)

Tag No: E11-N015A, E11-N015B (FT-1N015A, E11-1N015B)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The flow transmitters are qualified except for the conduit entry moisture seal.

The transmitters are located in the Reactor Building at El. 683'-0" (R/28 & T/23). There are no high energy lines in the area where these transmitters are located, therefore, there are no sources of moisture for events 43, 44, 45 (HELB).

These flow transmitters are, therefore, qualified for their environment and will perform their safety function during and after events producing harsh environment and will achieve and maintain cold shutdown.

3. Component(s) Safety Function:

These flow transmitters are required for the preferred cold shutdown path and are to perform its safety function for events 40, 42, 43, 44 and 45.

The safety function of this measurement is to monitor RHR water flow during the LPCI mode of the RHR for extended core cooling.

4. Accident(s) for which Component(s) must be Qualified:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date: 3/3/83 Revision: C
Prepared by: M. A. Verdugo
Revised by: E. Gagnon
Reviewed by: MAVerdugo

E.Q.E.L. Item No. 048 A&B

Item Name: Transmitter-Rosemount

System: MSIV-Leakage Control System (MSIV-LCS)

Tag No: E32-N055, E32-N056, E32-N058

(PT-1N055, PT-1N056, PT-1N058)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The pressure transmitters are qualified except for the conduit entry moisture seal.

The transmitters are located in the Reactor Building at El. 719'-0" (Q/20.6) and 749'-0" (R/26.5).

These transmitters are required to perform its safety functions after event 42 (LOCA), therefore, there is no source of moisture in the location of these transmitters during the time they are required to perform its safety function. Therefore, these transmitters are qualified for their environment.

3. Component(s) Safety Function:

THese pressure transmitters are required for the preferred cold shutdown path and are to perform its' safety function after event 42 (LOCA).

The safety function of these transmitters are as follows:

E32-N055 - Outboard-LCS Steam Pressure Interlock
E32-N056 - Outboard-LCS Steam Pressure Interlock
E32-N058 - Outboard LCS Reactor Vessel Pressure Interlock.

4. Accident(s) for which Component(s) must be Qualified:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No.: 048A&B

Item Name: Transmitter-Rosemount

Technical Document No: 2400:MAV:
Date 3-3-83 Revision: D
Prepared by: M. A. Verdugo
Revised by: E. Gagnon
Reviewed by Maverdugo

System: Reactor Recirculation System

Tag No: B31-N014A,B,C,D (FT-1N014A,B,C,D)

B31-N024C,D (FT-1N014C,D)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

This flow measurement is not required to function for events 40, 42, 43, 44 and 45 (LOCA & HELB) which produce a harsh environment. The flow transmitters are qualified except for the conduit entry moisture seal. The transmitters are located in the reactor Building and there isn't any high energy lines in the area (see below) where the transmitters are located, thus no source of mositure for events 43, 44 and 45 (HELB). Therefore, these transmitters are qualified for their environment.

Instr.	PNL	Area	EL.	Instr.	PNL	Area	EL
B31-N014A	1C006	27-3(P/26)	683'0"				
B31-N014B	1C006	27-3(P/26)	683'0"				
B31-N014C	LOCAL	25-3(Q/23)	683'0"	B31-N024C	1C022	28-3(T/22)	
B31-N014D	LOCAL	25-3(Q/23)	683'0"	B31-N024D	1C022	28-3(T/22)	

3. Component(s) Safety Function:

The flow transmitters provide a recirculation flow signal to the flow biased trip circuit of the average power range monitoring system which then supplies a trip input to the reactor protection system.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
Date 12/22/82 Revision E
Prepared by M. Gitterman
Revised by M. Gitterman
Reviewed by [signature]

E.Q.E.L. Item No. 048A&B

Item Name Pressure Transmitter

System: Nuclear Boiler

Tag No: B21-N055B (PT-1N005B)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function provided by this transmitter is also provided by an environmentally justified transmitter (PT-1N055A) on the cold shutdown path. Transmitter failure causing erroneous indication in the control room can be determined by comparison with the above justified component indication. Failure of this component will not prevent the justified component from performing its safety function or achieving and maintaining cold shutdown.

3. Component(s) Safety Function:

Supplies a pressure signal to the reactor vessel wide range recorder in the control room in the same manner that PT-1N055A supplies PR-1R623A.

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:048
E.Q.E.L. Item No. 048 A&B
Date 3-1-83 Revision C
Prepared by M.A. Verdugo
Item Name Transmitter-Rosemount
Revised by E. Gagnon
Reviewed by M.A. Verdugo

System: Residual Heat Removal System (RHR)

Tag No: E11-N013, E11-N026A, E11-N026B, E11-N028

(FT-1N013, PT-1N026A, PT-1N026B, PT-1N028)

1. Iterim Operation is: X Justified __Not Justitied

2. Justification for Interim Operation:

The transmitters do not perform a safety function, (associated circuits) and their failure will not impede the safety function of the RHR System.

The transmitters are qualified except for the conduit entry moisture seal.

3. Component(s) Safety Function:

E11-N013 - Head Spray Flow - Shutdown Cooling - Non-safety Mode of Operation.
E11-N026A - Loop A System Supply Press.- Stm Condensing Mode - Non-safety mode of operation.
E11-N026B - Loop B Steam Supply Press. - Stm Condensing Mode - Non-safety mode of operation.
E11-N028 - RCIC Supply LIne Press - Stm Condensing Mode - Non-safety mode of operation.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048

E.Q.E.L. Item No. 048 A&B Date 12/22/82 Revision B

Prepared by

Item Name Transmitter-Rosemount Revised by

Reviewed by

System: High Pressure Coolant Injection (HPCI)

Tag No.: E41-N013, E41-N016, E41-N019
(PT-1N013, PT-1N016, E41-1N019)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The transmitters are qualified except for the conduit entry moisture seal.

The safety functions, core cooling, of the HPCI system is also provided by environmentally justified systems (ADS + LPCI mode of the RHR system) on the cold shutdown path. Transmitter failure could cause erroneous indication in the control room and lead to HPCI pump damage and/or loss of the HPCI system. Any failure of these transmitters will not prevent the above justified system from achieving and maintaining a cold shutdown.

3. Component(s) Safety Function:

Provides HPCI pressure signals to indicators in the control room.

E41-N013 - Turbine Steam Supply Pressure
E41-N016 - Turbine Discharge Pressure
E41-N019 - Booster Pump Suction Pressure

4. Accident(s) for which Component(s) must be Qualified:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV: 048

E.Q.E.L. Item No. 048A&B

Date 3/1/82 Revision C

Prepared by M.A. Verdugo

Item Name Transmitter-Rosemount

Revised by E. Gagnon

Reviewed by [illegible]

System: Reactor Core Isolation Cooling (RCIC)

Tag No: E51-N005, E51-N007, E51-N008

(PT-1N005, PT-1N007, PT-1N008)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The transmitters are qualified except for the conduit entry moisture seal.

The safety function, core cooling, of the RCIC system is also provided by environmentally justified systems (ADS + LPCI mode of RHR system) on the cold shutdown path. Transmitter failure could cause erroneous indication in the control room and lead to RCIC pump failure and/or loss of the RCIC system. Any failure of these transmitters will not prevent the above justified systems from achieving and maintaining a cold shutdown.

3. Component(s) Safety Function:

Provides RCIC pressure signals to indicators in the control room.

E51-N005 - Pump Sunction Pressure
E51-N007 - Turbine Steam Supply Pressure
E51-N008 - Turbine Discharge Pressure

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No. 048A&B

Item Name Transmitter Rosemount

Technical Document No: 2400:MAV:
Date 3/1/83 Revision A
Prepared by E. Gagnon
Revised by
Reviewed by

System: Reactor Recirculation System

Tag No: B31-N024 A,B

(FT-1N024A,B)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

This flow measurement is not required to function for events 40, 42, 43, 44 and 45 (LOCA & HELB) which produce a harsh environment. The flow transmitters are qualified except for the conduit entry moisture seal. The transmitters are located in the Reactor Auxiliary Building at elevation 683'-0" (J28-3, T/23.5) and the HPCI steam line, 10"-DBB-114 is in the area of these transmitters. A break in this line could cause a failure in these transmitters by moisture ingress, but they are not required to respond to this event (43), therefore, these transmitters are qualified for their environment in which they perform a safety function.

3. Component(s) Safety Function:

The flow transmitters provide a recirculation flow signal to the flow baised trip circuit of the average power range monitoring system which then supplies a trip input to the reactor protection system.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV-048

E.Q.E.L. Item No. 048C Date 12/22/82 Revision B

Prepared by

Item Name Transmitter-Rosemount Revised by

Reviewed by

System: Core Spray (CS)

Tag No.: E21-N001A, E21-N001B
(PT-1N001A, PT-1N001B

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, core cooling, provided by the core spray system is also provided by environmentally justified systems on the cold shutdown path (ADS + LPCI mode of RHR system). Failure of these components could give the operator erroneous information concerning the system. However, mis-operation or total loss of the system would be of no consequence because the system is not on the cold shutdown path. Therefore, failure of these components will not preclude the accomplishment of the ability to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

Provides pressure signals to indicators in the control room for each loop of the core spray system which provides core cooling when the reactor vessel is depressurized.

4. Accident(s) for which Component(s) must be Qualified:

None

Owner : Pennsylvania Power & Light
Facility : Susquehanna Unit 1 (SSES #1)

Project No. 2400

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No. 059

Item Name: SENSOR & CONVERTER, GE

System: PROCESS RADIATION MONITORING

Tag No: D12-N017 A&B

Technical Document No: 2400:MAV:059
Date: 4/13/83 Revision: B
Prepared by: E. Gagnon
Revised by:
Reviewed by: M. A. Verdugo

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The radiation detectors are not part of the preferred cold shutdown path. The failure of these components will not impair operability of the Standby Gas Treatment System because the filter units have been designed to handle the maximum credible postulated event.

The failure of the monitor will result either a fail open or closed output. With train B operating and train A on Standby; fail open, continue to operate which is designed to handle the event. Fail closed, isolate train B and start standby train A automatically.

With train B operating and train A not on standby; fail open, continue to operate train B which is designed to handle the event. Fail closed, isolate train B, the system tries to start standby train A but, train A is not available. Operator can then place train B on standby which automatically starts B.

In addition, effluents can be monitored by using both the stack radiation monitor and periodic grab samples.

Therefore, failure of these components will not affect operatibility of Standby Gas Treatment System or ability to achieve and maintain cold shutdown.

The following actions are recommended: (1) Operate on SGTS filter unit "B" so there is no direct radiation shine path to the radiation detector. (2) By the end of the first refueling outage, move and/or shield the new detectors to ensure that the radiation levels will be sufficiently below background levels to achieve functional adequacy without spurrious isolation/trip actions.

3. Component(s) Safety Function:

Radiation detectors isolate selected on-line SGTS filter unit on high radiation in SGTS common filter exhaust duct. An alarm informs the operator of high radiation in exhaust duct and isolation of SGTS filter unit has occurred.

4. Accident(s) for which Component(s) must be Qualified:

None.

Owner : Pennsylvania Power & Light
Facility : Susquehanna Unit 1 (SSES #1)

Project No. 2400

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

E.Q.E.L. Item No.: 068

Item Name: MSIV Limit Switches, Namco

Technical Document No: 2400:MAV:
Date 3-1-83 Revision: C
Prepared by: M. Gitterman
Revised by: E. Gagnon
Reviewed by [signature]

System: Nuclear Boiler

Tag No: B21-F028A,B,C,D (Outboard MSIV, ZS-14128A,B,C,D)

B21-F022A,B,C,D (Inboard MSIV,ZS-14122A,B,C,D)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

Seismic qualification of these position switches is incomplete, however, these position switches are not required to operate during a seismic event. In the event of an earthquake, a backup scram signal is available from the qualified RPV high pressure switches (B21-1N023A,B,C,D), since closure of the MSIV's would result in RPV high pressure. Therefore, the failure of these components will not prevent the qualified components from performing their safety function or achieving and maintaining cold shutdown.

3. Component(s) Safety Function:

1.) Provides signal to RPS to initiate scram on closure of any 3 MSIV's.

2.) Provide interlock signal from the inboard MSIV, B32-F022A,B,C,D to the MSIV Leakage Control System.

4. Accident(s) for which Component(s) must be Qualified:

LOCA, steam line breaks, rod drop accident, seismic.

Owner : Pennsylvania Power & Light
Facility : Susquehanna Unit 1 (SSES #1)

Project No. 2400

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:078

E.Q.E.L. Item No. 078

Date 3-3-83 Revision E
Prepared by M. Gitterman
Revised by E. GAGNON
Reviewed by [illegible]

Item Name Actuator MSIV; Atwood & Morrill

System: Nuclear Boiler

Tag No: B21-F028 A,B,C,D (HV-1F028 A,B,C,D)

B21-F022 A,B,C,D (HV-1F022A,B,C,D)

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

Justification for Initial Plant Operation with Non-Qualified Actuators for the MSIV's (HV-1F022 A/B/C/D and HV-1F028 A/B/C/D.)

MSIV's are required to close to prevent release of excessive radioactivity for LOCA, main steam line breaks, and rod drop accidents. For the rod drop accident, environmental conditions do not change and the total radiation dose to the valve actuators during the time the valves must close is not significant. For main steam line breaks outside containment, the inboard MSIV's (HV-1F022 A/B/C/D) are not subjected to any change in their normal environment (temperature, pressure, humidity, or radiation).

For LOCA inside containment, the outboard MSIV's are protected from changes in ambient temperature, pressure, and humidity, but are subjected to increased gamma radiation. Justification for initial plant operation, until these valve actuators have been tested is presented below. It is anticipated that actuator testing will be completed by the end of 1983, some 18 months after scheduled plant startup.

It is anticipated that during the initial 30-month operating period of the plant, no more than 18-months of equivalent full power operation will be achieved considering the normal startup problems encountered by most nuclear plants. On this basis, the total radiation dose to the actuators due to normal operation would be about 6.57×10^4 rads. On this same basis, the estimated integrated radiation dose for two hours following the LOCA would be about 1.94×10^4 rads. This accident dose is conservative since the valves would have closed some 10 seconds after occurrence of the accident. Subsequent failure of the actuators is of no concern since such failure can not cause the valves to reopen (the valves are held shut by springs).

The radiation dose due to normal operation thus represents 78% of the (normal + accident) dose expected at the end of the first 30 months of plant operation, and the total dose is almost an order of magnitude less than the radiation damage threshold of the most susceptible material (Viton A) in the actuator package.

Design of the valve actuators permits testing by partially stroking the valves during plant operation. Over the first 30 month period of plant operation, full stroke testing of all the valves prior to each startup, together with partial stroke testing of each valve once per week will provide adequate assurance of valve operability.

On the basis of the relatively low radiation dose to which the valve actuators could be subjected plus the periodic stroke testing of the valves, it is our judgement that there is adequate justification to permit plant operation for 30 months.

3. Component(s) Safety Function:

Closes the MSIV's upon signal from several sources for events requiring isolation of the reactor vessel and primary containment.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

Owner : Pennsylvania Power & Light
Facility : Susquehanna Unit 1 (SSES #1)

Project No. 2400

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Technical Document No: 2400:MAV:080

E.Q.E.L. Item No. 080

Date 8-12-82 Revision D

Prepared by R. Wise

Item Name Controls, HPCI Turbine, Woodard/ Terry

Revised by R. Wise

Reviewed by [illegible]

System: High Pressure Coolant Injection (HPCI)

Tag No: E41-C002

1. Interim Operation is: X Justified ___ Not Justified

2. Justification for Interim Operation:

The safety function, core cooling, provided by the HPCI system which is not on the cold shutdown path, is also provided by environmentally justified systems on the cold shutdown path (ADS + LPCI mode of RHR system). Failure of this component may cause inadequate performance of a system which no credit is taken on the cold shutdown path. Therefore, the failure of this component will not preclude the accomplishment of the ability to achieve and maintain cold shutdown.

3. Component(s) Safety Function:

Controls HPCI turbine speed in order for the HPCI system to provide the required amount of core cooling when reactor vessel pressure is too high to use the low pressure systems.

4. Accident(s) for which Component(s) must be Qualified For Interim Operation:

None.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: See following pages

Component Name: Alarm, Dual; Alarm, Single; Cable; Controllers; Converter/Isolator; Extractor; Square Root; Indicator; Power Supply; Racks; Selector, Signal; Set Station; Shelf - 3, 4, 7 Units; Signal Resistive Units; Summer/Scaler; Voltage Divider (all mfg'd by Bailey)

System: SGTS, CSEOASS, Remote Shutdown Purchase Order: J-03C

Justification for interim operation forinstrumentation supplied by Bailey Controls under P.O. J-03C is provided on the following pages. These justifications are organized functionally. Model numbers for specific instruments are listed where appropriate.

It should be understood that components which perform a support function to the instruments (e.g. racks, power supply, cable, shelves, etc.) are not listed specifically; however, such items are being qualified along with the instruments they serve. That is, instruments are being tested in their as-installed configuration, such that racks, power supplies, etc. are tested simultaneously. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: See attached list

Component Name: Bailey Controls on Panel OC-876 A&B

System: Control Structure Emergency Outside Air Supply System (CSEOASS) Purchase Order: J-03C

1. Component(s) Safety Function:

   Control and Indication for the CSEOASS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42, 43, 44, 45 with TID 2.5 x 10^3 Rads, taking credit for the recent recalculation of TIDs

3. Justification for Interim Operation:

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5 x 10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ATTACHMENT TO JIO for BAILEY CONTROLS ON OC-876

Instrument	Tag. No.	Model No.	System
FSL	07811A	745110AAAN2	Control Structure O/A 0V101
TDSHL	07811A	745210AAAN2	Control Structure Emergency O/A Sup
FSL	07811B	745110AAAN2	Control Structure Emergency O/A 0V101
TDSHL	07811B	745210AAAN2	Control Structure Emergency O/A Sup
TDY	07811B	752410AAAN2	Emergency Outside Air Supply
PDSH	07814A	745110AAAN2	Emergency O.A Supp 1 St HEPA
PDSH	07814B	745110AAAN2	Emergency O.A Supp 1 St HEPA
FY	07816A1	750010AAAN2	Emergency Outside Air Supply
FY	07816B1	750010AAAN2	Emergency Outside Air Supply
TDY	07811A	752410AAAN2	Emergency Outside Air Supply
None	Cable	763100TABN1	Control Structure Emergency O/A Sup
None	SRU	766100BAAN2	Control Structure Emergency O/A Sup

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TI-07811A/B, TI-07814A/B (Model No. 775121ABBN2)

Component Name: Temperature Indicator - Bailey Controls on Panel 0C- 876A&B

System: Control Structure Emergency Outside Air Supply System (CSEOASS) Purchase Order: J-03C

1. Component(s) Safety Function:

   None. (Temperature indication of CSEAOSS filter train inlet and outlet).

2. Accident(s) for which Component(s) must be Qualified:

   40, 42, 43, 44, 45 (Must not fail to detriment of other equipment on the cold shutdown path)

3. Justification for Interim Operation:

   1, 9, 11. These temperature indicators are not used by the operator to perform any safety-related function. These indicators are being qualified environmentally because they are in Class 1E circuits. The TI failure modes will not lead to degradation of other circuits.

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TT-07551A/B, TT-07811A/B, TT-07814A/B (Model No. 740311CAAN2)

Component Name: Converter/Isolator - Bailey Controls on Panel 0C- 876A/B

System: Control Structure Emergency Outside Air Supply System (CSEOASS) Purchase Order: J-03C

1. Component(s) Safety Function:

Temperature transmitter provides signal of CSEOASS filter train inlet and outlet temperature for indication and to generate a high/low differential temperature signal for alarm and CSEAOSS fan trip.

2. Accident(s) for which Component(s) must be Qualified:

40, 42, 43, 44, 45 with TID = 2.5×10^3 Rads, taking credit for the recent recalculation of TIDS

3. Justification for Interim Operation:

1, 8, 9. Indication function is not required. See JIO form for TI-07811A/B and -07814A/B. Alarm function is not safety-related.

10, 12. With respect to the fan trip function, it is unlikely that the environment produced could degrade this function for the following reasons:

All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: See attached list

Component Name: Bailey Controls on Panel 0C-883 A&B

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Control and Indication for the SGTS

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID 2.5 x 10^3 Rads, taking credit for the recent recalculation of TIDs

3. Justification for Interim Operation:

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5 x 10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ATTACHMENT TO JIO FOR BAILEY CONTROLS ON OC-883 A & B

Instrument	Tag No.	Model No.	System
PDSL	07554A1	745110AAAN2	Standby Gas Treatment System
PDSL	07554A2	745110AAAN2	Standby Gas Treatment System
PDSL	07554A3	745110AAAN2	Standby Gas Treatment System
PDSL	07554B1	745110AAAN2	Standby Gas Treatment System
PDSL	07554B2	745110AAAN2	Standby Gas Treatment System
PDSL	07554B3	745110AAAN2	Standby Gas Treatment System
PDSL	07550A	745110AAAN2	SGTS Inlet Header Relay
PDY	07550A	752410AAAN2	Standby Gas Treatment System
PDSL	07550B	745110AAAN2	SGTS Inlet Header System
PDY	07550B	752410AAAN2	Standby Gas Treatment System
FSL	07551A	745210AAAN2	Standby Gas Treatment System
FY	07551A	750010AAAN2	SGTS Discharge Treatment System
FSL	07551B	745210AAAN2	Standby Gas Treatment System
FY	07551B	750010AAAN2	SGTS Discharge System B
TDSL	07552A	745110AAAN2	Standby Gas Treatment System
TIC	07552A	701002AAAN1	SGTS E1 Heater 0E101A System
TDIC	07552A	701002AAAN1	Standby Gas Treatment System
TDY	07552A	752410AAAN2	Standby Gas Treatment System
TY	07552A1	752410AAAN2	Standby Gas Treatment System
TT	07552A2	740311CAAN2	Standby Gas Treatment System
TDIC	07552B	701002AAAN1	Standby Gas Treatment Systen
TDSL	07552B	745110AAAN2	Standby Gas Treatment System
TIC	07552B	701002AAAN1	SGTS E1 Heater 0E101B System
TDY	07552B	752410AAAN2	Standby Gas Treatment System
TY	07552B1	752410AAAN2	Standby Gas Treatment System
PDSL	07553A	745110AAAN2	SGTS Heaters
PDSHL	07553A	745210AAAN2	SGTS Filter Train PD System
PDSL	07553B	745110AAAN2	SGTS Heaters
PDSHL	07553B	745210AAAN2	SGTS Filter Train PD System
FY	07555	750010AAAN2	SGTS O.A. Make-Up
FI	07555	775121ABBN2	Standby Gas Treatment System
TI	07551A	775121ABBN2	Standby Gas Treatment System
TI	07551B	775121ABBN2	Standby Gas Treatment System
TT	07552B2	740311CAAN2	Standby Gas Treatment System
None	SRU	766100BAAN2	Standby Gas Treatment System
None	Cable	763100TABN1	Standby Gas Treatment System

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TI-07552A1/B1 (Model No. 775121ABBN2)

Component Name: Temperature Indications - Bailey Controls on Panel 0C-883A&B

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Measurement of temperature upstream and downstream of the SGTS filter train heater for indication.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID = 2.5×10^3 Rads, taking credit for the recent recalculation of TIDs

3. Justification for Interim Operation:

   1, 8, 9, 11 The temperature indications provided by TI-07552A1/B1 are not used by the operator to perform any safety-related function. Low differential temperature indicates failure of the filter train heater, which controls the humidity of the air reaching the filter. For purposes of this study, random failures of environmentally qualified equipment are not postulated. The heater is environmentally qualified. Thus, these instruments are not required for, and have no effect on, the attainment of safe cold shutdown.

   10, 12 All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for the instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TT-07552A1/B1 (Model No. 740311CAAN2)

Component Name: Temperature Transmitters - Bailey Controls on Panel OC-883A&B

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Measurement of temperature upstream and downstream of the SGTS filter train heater for indication and to generate a high/low differential temperature signal for alarm and SGTS fan trip.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 — with TID = 2.5×10^3 Rads, taking credit for the recent recalculation of TIDs

3. Justification for Interim Operation:

   1, 8, 9, 11 — The temperature indications provided by TI-07552A1/B1 are not used by the operator to perform any safety-related function. (See previous page)

   10, 12 — All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for the instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TY-07552A/B (Model No. 747010AAAN2)

Component Name: Selector, Signal - Bailey Controls on Panel 0C-883A&B

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Setpoint controller for SGTS filter train heater.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID = 2.5×10^3 Rads, taking credit for the recent recalculation of TIDs

3. Justification for Interim Operation:

   10, 12 All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: PDIC-07550A/B (Model No. 701002AABN1)

Component Name: Differential Pressure Indicating Controller (Bailey Controls on OC-883 A/B)

System: Standby Gas Treatment System Purchase Order: J-03C

1. Component(s) Safety Function:

   Measures dP of outside air to reactor bldg. supply header to regulate SGTS fan damper.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID = 2.5×10^3 rads, taking credit for the recent recalculation of TIDs.

3. Justification for Interim Operation:

   8. This controller regulates the SGTS intake damper position. This function is not crucial to the safe operation of the SGTS because the intake damper is preset to always maintain a minimum flowrate of 40% rated; thus removal of radioactivity from the secondary containment will not be prevented by failure of this instrument.

   10, 12 All controls and instrumentation purchased originally through PO J-03B have been replaced by Bailey Controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: HIC-07555A/B (Model No. 714000AAAN2)

Component Name: Indicating Controller - Bailey Controls on Panel 0C-883A/B

System: Standby Gas Treatment System Purchase Order: J-03C

1. Component(s) Safety Function:

   None

2. Accident(s) for which Component(s) must be Qualified:

   None (Must not fail to degrade operation of SGTS)

3. Justification for Interim Operation:

   1, 11. This controller is used to regulate a bypass damper for charcoal cooling when the SGTS is operating in standby mode. It is not required postaccident, because the SGTS fan causes airflow through the charcoal for cooling. Failure of this controller which results in the bypass damper staying open post-accident will not prevent removal of radioactivity from secondary containment, although the rate of removal would be less.

   10, 12. All controls and instrumentation purchased originally through PO J-03B has been replaced by Bailey Controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: PDY-07554A/B (Model No. 747010AAAN2)

Component Name: Selector, Signal on Panel OC-883A/B

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Measures dP of Reactor Bldg. header to outside air to the reactor bldg for control of recirculation system supply damper position.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42

3. Justification for Interim Operation:

   4, 5, 16. This instrument will be used during the first few minutes following an accident to regulate the position of dampers PDD-07554 A&B. After the initial pressure spike in the reactor bldg., the SGTS should stabilize. Since the dampers fail as-is, subsequent failure of these PDYs will not prevent removal of radioactivity from the secondary containment.

   All controls and instrumentation purchased originally through PO J-03B has been replaced by Bailey Controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: See attached list

Component Name: Instruments on Remote Shutdown Panel (Bailey Controls)

System: Remote Shutdown Purchase Order: J-03C

1. Component(s) Safety Function:

   None (Various indicators on Remote Shutdown Panel)

2. Accident(s) for which Component(s) must be Qualified:

   None: Evacuation of Main Control Room is not postulated simultaneous with a DBA.

3. Justification for Interim Operation:

   1, 11. Remote shutdown panel indications are not required post-accident. These instruments are isolated from their corresponding instruments in the Main Control Room by transfer switches. The transfer switches are justified for interim operation under P.O. J-05/E-155. They are normally in the "Main Control Room" position, isolating these indicators, and are not repositioned following a DBA.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ATTACHMENT TO JIO FOR BAILEY CONTROLS ON REMOTE SD PANEL

Instrument	Tag. No.	Model No.	System
TI	15751	775121ABBN2	Suppression Pool Temperature
TI	15752	775121ABBN2	Suppression Pool Temperature
FSL	11207A	745110AAAN2	RHR Heat Exchanger A SW Inlet
FY	11207A1	740111AAAN2	RHR Heat Exchanger A SW Inlet
FSL	11207B	745110AAAN2	RHR Heat Exchanger B SW Inlet
FI	11207B	775121ABBN2	RHR Heat Exchanger B SW Discharge
FY	11207B	740111AAAN2	RHR Heat Exchanger B SW Inlet
FY	15105	750010AAAN2	RHR Loop B
FI	15105	775121ABBN2	RHR Loop B
FIC	14903	701002AAAN1	RCIC Turbine Pump Discharge
FY	14903	750010AAAN2	RCIC Turbine Pump Discharge
FI	14903	775121ABBN2	RCIC Pump Injection
FY	14903A	740111AAAN2	RCIC Turbine Pump Discharge
SI	15001B	775121ABBN2	RCIC Turbine Speed
SY	15001B	740111AAAN2	RCIC Turbine Speed
TI	15725B	775121ABBN2	Suppression Pool Air Purge Line
TT	15725B	740311CAAN2	Suppression Pool Air Purge Line
LI	15776B2	775121ABBN2	Suppression Pool Level
PI	15728B	775121ABBN2	Primary Containment Drywell Pressure
TI	15790B2	775121ABBN2	Containment Atmospheric Temperature
TT	15790B2	740311CAAN2	Containment Atmospheric Temperature
PI	14262	775121ABBN2	Reactor Vessel
LI	14262	775121ABBN2	Reactor Vessel
None	w/FY-11207A1	6200K60G0700	RHR Heat Exchanger A SW Inlet
None	w/FY-11207B	6200K60G0700	RHR Heat Exchanger B SW Inlet
None	w/FY-14903A	6200K60G0700	RCIC Turbine Pump Discharge
None	w/SY-15001B	6200K60G0700	RCIC Turbine Speed
None	SRU	766100BAAN2	General Use Electrical
None	SRU	766100BAAN2WCD	General Use Electrical
None	SRU	766100BAAN2WCE	General use Electrical
None	Cable	763100TABN1	General Use Electrical

REH/atc70i

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None. Installed in Remote Shutdown Panels 1C-201A/B

Component Name: Power Supply (Model No. 8080B02P008)

System: Remote Shutdown Purchase Order: J-03C

1. Component(s) Safety Function:

   None (Supplies power to devices in Remote Shutdown Panel)

2. Accident(s) for which Component(s) must be Qualified:

   None: Evacuation of Main Control Room is not postulated simultaneous with a DBA.

3. Justification for Interim Operation:

   1, 11. Remote shutdown panel indications are not required post-accident. These instruments are isolated from their corresponding instruments in the Main Control Room by transfer switches. The transfer switches are justified for interim operation under P.O. J-05/E-155. They are normally in the "Main Control Room" position, isolating these indicators, and are not repositioned following a DBA.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None, Installed in Panels 0C-883A/B

Component Name: Power Supply (Model No. 8080B02P008)

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Supply power to devices in SGT panels which provide control and indication for the SGTS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID 2.5 x 10^3 Rads, taking credit for the recent recalculation of TIDs.

3. Justification for Interim Operation:

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5 x 10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None. Installed in Remote Shutdown Panels 1C-201A/B

Component Name: Rack (Model No. 761000AAAN1)

System: Remote Shutdown Purchase Order: J-03C

1. Component(s) Safety Function:

   None (Provide support and electrical interfaces for devices in the Remote Shutdown Panels)

2. Accident(s) for which Component(s) must be Qualified:

   None: Evacuation of Main Control Room is not postulated simultaneous with a DBA.

3. Justification for Interim Operation:

   1, 11. Remote shutdown panel indications are not required post-accident. These instruments are isolated from their corresponding instruments in the Main Control Room by transfer switches. The transfer switches are justified for interim operation under P.O. J-05/E-155. They are normally in the "Main Control Room" position, isolating these indicators, and are not repositioned following a DBA.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None, Installed in Remote Shutdown Panels 1C-201A/B

Component Name: Shelf - 7 Unit (Model No. 762070AAAN1)

System: Remote Shutdown Purchase Order: J-03C

1. Component(s) Safety Function:

   None (Provide support and electrical interfaces for devices in Remote Shutdown Panels)

2. Accident(s) for which Component(s) must be Qualified:

   None: Evacuation of Main Control Room is not postulated simultaneous with a DBA.

3. Justification for Interim Operation:

   1, 11. Remote shutdown panel indications are not required post-accident. These instruments are isolated from their corresponding instruments in the Main Control Room by transfer switches. The transfer switches are justified for interim operation under P.O. J-05/E-155. They are normally in the "Main Control Room" position, isolating these indicators, and are not repositioned following a DBA.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None, Installed in Remote Shutdown Panel 1C-201B

Component Name: Shelf - 3 Unit (Model No. 762030AAAN1)

System: Remote Shutdown Purchase Order: J-03C

1. Component(s) Safety Function:

   None (Provide support and electrical interfaces for devices in Remote Shutdown Panel)

2. Accident(s) for which Component(s) must be Qualified:

   None: Evacuation of Main Control Room is not postulated simultaneous with a DBA.

3. Justification for Interim Operation:

   1, 11. Remote shutdown panel indications are not required post-accident. These instruments are isolated from their corresponding instruments in the Main Control Room by transfer switches. The transfer switches are justified for interim operation under P.O. J-05/E-155. They are normally in the "Main Control Room" position, isolating these indicators, and are not repositioned following a DBA.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None, installed Panels OC883 A, B

Component Name: Shelf - 4 Unit Model No. 762040AAAN1

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Provide support and electrical interfaces for devices in SGT panels which provide control and indicates for the SGTS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID 2.5 x 10^3 Rods, taking credit for the recent recalculation of TIDs.

3. Justification for Interim Operation:

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5 x 10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: None, Installed in Panels OC-883 A/B

Component Name: Rack Model No. 761000AAAN1

System: Standby Gas Treatment Purchase Order: J-03C

1. Component(s) Safety Function:

   Provide support and electrical interfaces for devices in SGT panels which provide control and indicates for the SGTS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 with TID 2.5×10^3 Rods, taking credit for the recent recalculation of TIDs.

3. Justification for Interim Operation:

   10, 12. All controls and instrumentation purchased originally through P.O. J-03B have been replaced by Bailey controls procured under J-03C. These new instruments are qualified for seismic and hydrodynamic loads. Design range testing (for normal extremes of temperature, voltage, and humidity) and thermal aging have been completed. Since the only environmental parameter which creates a "harsh" environment for these instruments is radiation with a relatively low TID (2.5×10^3 Rads), there is high confidence that these instruments will prove to be qualified.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: 1C-226, A, B

Component Name: Analyzer, H_2O_2 - Sample Pump only

System: Containment Atmospheric Control Purchase Order: J-17

1. Component(s) Safety Function:

   Indication and alarm of containment H_2 and O_2 concentrations

2. Accident(s) for which Component(s) must be Qualified:

   42

3. Justification for Interim Operation:

   9. The H_2O_2 analyzer is environmentally qualified, except for the diaphragm of the sample pump. H_2O_2 analyzer only provides indication and alarm of containment H_2 & O_2 concentrations. With inerted containment plus hydrogen recombiners, there is a low risk of explosive concentrations developing, particularly since the accident must be one in which fuel damage occurs before hydrogen generation becomes a problem. Watt meter on hydrogen recombiner control panel indicates that recombination is taking place. (Hydrogen recombiner and controls are environmentally qualified.)

   7. FSAR (figure 6.2-50) shows that, for worst case, there would be ample time (1-1/2 days) after a LOCA before H_2 concentration would be expected to exceed the lower combustible limit of 4 v/o. Therefore, pending environmental qualification of this component, the operators will be instructed to turn on the hydrogen recombiners early in the post-LOCA recovery phase, placing more reliance on the H_2 recombiner watt meter than the H_2/O_2 analyzer.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: TE-15751 through 15770

Component Name: RTD, Spotmos (HyCal)

System: Suppression Pool Temperature Monitoring Purchase Order J-51B/D

1. Components(s) Safety Function:

   Suppression pool water temperature indication and alarm. These are used to assure manual scram of the reactor at a point that prevents a potential for heating the pool past safety limits.

2. Accident(s) for which Component(s) must be qualified

   40, 42, 43, 44, 45

3. Justification for Interim Operation

   6. These RTD's have passed a NUREG 0588 Cat. I test, but it was necessary to modify mounting to pass dynamic testing. A qualified bracket will replace the existing RTD installation prior to Startup following the first refueling outage. Steps taken to provide for safe operation of the plant, along with justification for interim operation, were provided to the NRC via PLA-1394.

4 Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: PT-12643, PT-12648

Component Name: Flow Transmitter, Pressure Transmitters (Rosemount)

System: Control Structure Chilled Water, Containment Instrument Gas Purchase Order: J056B

1. Component(s) Safety Function:

Monitor Emergency Service Water and Chilled Water Flows to Control Structure Emergency Condenser Chilled and Initiate Auto switchover from Train "B" to Train "A". Control Main Stream Relief Valves with Auto Depressurization function.

2. Accident(s) for which Component(s) must be Qualified:

40, 42, 43, 44, 45.

3. Justification for Interim Operation:

These transmitters are qualified, except for installation of qualified sealant for the conduit connection to the transmitter. Thus, the transmitters are qualified for all environmental parameters of concern, except for steam or water spray. The location of these transmitters has been reviewed to determine whether postulated pipe breaks could cause steam or water impingement on the transmitters or conduit. There is no high energy piping in the vicinity of these transmitters. A high energy line break in a remote location cannot affect these transmitters, because the pipe break detection instrumentation initiates rapid isolation of the affected area. Thus, there is confidence that these transmitters will perform satisfactorily during the interim period before installation of qualified sealant, since they cannot be directly affected by a high energy line break.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: PT-15702, PT-15709A, PT-15709B, PT-15710A, PT-15710B, PT-15728A, PT-15728B, PT-15775A, LT-15775B, LT-15776A, LT-15776B,

Component Name: Pressure and Level Transmitters (Rosemount)

System: Containment Atmosphere Control Purchase Order: J-056B

1. Component(s) Safety Function:

   Monitor Drywell and Suppression Chamber

2. Accident(s) for which Component(s) must be Qualified:

   40, 42

3. Justification for Interim Operation:

   These transmitters are qualified, except for installation of qualified sealant for the conduit connection to the transmitter. Thus, the transmitters are qualified for all environmental parameters of concern, except for steam or water spray. These transmitters are all designed to monitor conditions inside containment due to a postulated LOCA. The transmitters themselves are located outside containment; thus, they cannot be affected by steam or water spray due to a LOCA. Inasmuch as a high energy line break outside containment is not postulated to occur simultaneously with a LOCA, and since these transmitters are not needed to mitigate the consequences of a high energy line break, steam or water spray due to a line break outside containment is not a safety concern. Thus, the lack of a qualified conduit seal does not jeopardize the safe operation of these transmitters.

4. Interim Operation is [x] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: LT-14312 and PT-14262

Component Name: Pressure and Level Transmitters (Rosemount)

System: Containment Instrument Gas Purchase Order J-056B

1. Component(s) Safety Function:

   Monitor Reactor Vessel Pressure.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42

3. Justification for Interim Operation:

   These transmitters are qualified, except for installation of qualified sealant for the conduit connection to the transmitter. Thus, the transmitters are qualified for all environmental parameters of concern, except for steam or water spray. PT-14262 is designed to monitor Reactor Vessel Pressure. Lt-15312 is a Q-passive transmitter for maintaining the pressure boundary. The transmitters themselves are located outside containment; thus, they cannot be affected by steam or water spray due to a LOCA. inasmuch as a high energy line break outside containment is not postulated to occur simultaneously with a LOCA, and since these transmitters are not needed to mitigate the consequences of a high energy line break, steam or water spray due to a line break outside containment is not a safety concern. Thus, the lack of qualified conduit goal does not jeopardize the safe operation of these transmitters.

1. Interim Operation is X Justified ___ Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: 1V-210A/B/C/D

Component Name: Motor (Westinghouse) - RHR Pump Rooms Unit Cooler Fan

System: Reactor Bldg. (Zone I) HVAC

Purchase Order: M-315/ M-399A for replacement motors Δ

1. Component(s) Safety Function:

   Maintain RHR pump room temperature $\leq$ 130°F following a DBA. Support systems to LPCI and suppression pool cooling modes of RHR.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42, 43, 44, 45 (TID = 1.7×10^6 Rads taking credit for recent recalculation of TIDs)

3. Justification for Interim Operation:

   The 4 existing motors (with type "F" insulation) will be replaced with qualified motors (with type "H" insulation). Replacement is forecast for first refueling outage.

   14, 7. The existing motors have been tested for a TID of 8.7×10^6 Rads (see Westinghouse letter dated 4/5/82, Document Control No. 162695), which exceeds the calculated TID for the RHR pump rooms of 1.7×10^6 Rads, taking into account dilution of RHR water by the suppression pool. Emergency procedures specify that the RHR pumps take suction form the suppression pool post-accident.

   10, 12. Based on Westinghouse evaluation, these motors can be operated for a limited time (3 years maximum) until replacements are installed (see above).

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: 1V-208A/B, 1V-209A/B, 1V-211A/B/C/D

Component Name: Motor (Westinghouse) ECCS Unit Cooler Fans for HPCI, RCIC and CSS Rooms

System: Reactor Bldg. (Zone I) HVAC Purchase Order: M-315
(Replacement to be purchased under P.O. M-399)

1. Component(s) Safety Function:

   Maintain ECCS pump room temperature $\leq$ 130°F following a DBA. Support system to ECCS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42, 43, 44, 45

3. Justification for Interim Operation:

   1. HPCI, RCIC and Core Spray systems are not on the preferred CDS path. Thus, cooling of their equipment rooms is not required. These HVAC systems are electrically and physically independent of the unit coolers required for CSD; thus, failure of these fan motors will not affect safe, cold shutdown.

   10, 12. Based on Westinghouse evaluation, these 8 motors (with type "F" insulation) can be operated for a limited time (3 years maximum) until replacements are installed. Motors will be replaced with qualified motors (with type "H" insulation) prior to startup following the first refueling outage.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: PDT-07814 A/B

Component Name: Transmitter, Diff. Pressure (Tavis model P8C(s))

System: Control Structure - HVAC Purchase Order: M-320

1. Component(s) Safety Function:
   None. (High differential pressure alarm for filter OF-124 A/B)

2. Accident(s) for which Component(s) must be Qualified:
   42 (Must not degrade other Class 1E circuits.)

3. Justification for Interim Operation:
   1, 11. Alarm function is not safety-related

   8,9. If filter dp becomes high, fan should trip on low flow, thus starting standby train. In any case, filters have been sized so that they should not become overloaded during the accident recovery period, assuming regular maintenance has been performed. This unit is scheduled to be replaced with a qualified, 3-wire Tavis PDT at first refueling outage.

4. Interim Operation is [X] Justified/ Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: FT-07555; FT-07557

Component Name: Transmitter, Diff. Pressure (Tavis model P8C(s))

System: Reactor Bldg. - SGTS Purchase Order: M-320

1. Component(s) Safety Function:
   None (FT-07555: Make up air CFM indication)
   (FT-07557: CFM indication for the exhaust from reactor Bldg.)

2. Accident(s) for which Component(s) must be Qualified:

   42. (Must not degrade other Class 1E circuits.)

3. Justification for Interim Operation:

   8. Scheduled to be replaced by qualified Tavis 3-wire model during next refueling outage. Failure of this unit will not impair functioning of SGTS system.

   1, 11. These transmitters serve no safety-related function; their associated indicators are not Q-listed nor Class 1E.

4. Interim Operation is [X] Justified Not Required [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: BDID-17606 A/B, BDID-17653 A/B, BDID-17652 A/B, BDID-17659 A/B, BDID-17669 A/B

Component Name: Backdraft Isolation Dampers-DP Switch

System: Reactor Building Ventilation System Purchase Order: M-336A/M-407 & M-415

1. Component(s) Safety Function:

The backdraft isolation dampers isolate the particular equipment room ventilation duct from the rest of the reactor building ventilation upon a line break in the RWCU room and steam tunnel. The operation of the BDID is as follows: a differential pressure switch senses a high dP between the affected ECCS pump room and the exhaust duct; this dP switch causes a solenoid to energize, releasing the damper which closes due to gravity.

2. Accident(s) for which Component(s) must be Qualified:

43

3. Justification for Interim Operation:

BDID's consist of two Class 1E components - solenoid release and pressure differential switch. The solenoid release is fully qualified.

4, 5, 16. The actuation of the BDID is right at the time of line break. The time for pressure to build up to the setpoint of the dP switch plus the delay time of the instrument (300 msec) is less than the time in which the affected room's temperature could affect operability of these devices; thus, there is confidence that temperature will not prevent safe operation of the BDID. Inasmuch as the only other concern for the solenoids is mechanical operability (i.e., plunger does not move to post-accident position), the only potential failure mode is jamming due to degradation of organic seals from radiation exposure. Such jamming could not happen during the time the BDID is required to be operable, since radiation exposure would be minimal during the short interval before the solenoid deenergized. Environmental testing for the full line break conditions for the pressure switch will be completed before first refueling outage.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: OV-109A/B

Component Name: Motor (Westinghouse) - SGTS Exhaust Fan

System: Standby Gas Treatment

Purchase Order: M-362
(Replacement P.O. M-399)

1. Component(s) Safety Function:

   a) Maintain -0.25 in. wg. negative pressure in the secondary containment post-accident.

   b) Exhaust filtered air from the secondary containment to limit the offsite dose.

   c) Filter and exhaust discharge from MSIVLCS.

2. Accident(s) for which Component(s) must be Qualified:

   40, 42 (TID = 1.5×10^5 Rads), taking credit for recent recalculation of TIDs.

3. Justification for Interim Operation:

   10, 12. Motor vendor has test documentation showing that motors have been tested for 2×10^6 Rads. Based on the existing test documents, the vendor has stated that the presently installed motors can be used for up to 3 years; therefore these motors will be replaced prior to startup following the first refueling outage with qualified motors having type "H" insulation.

4. Interim Operation is [X] Justified [ ] Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: Chromalox Model AR-2524 and ARC-24

Component Name: Temperature Switch (CVI Corporation)

System: Standby Gas Treatment Purchase Order: M-321

1. Component(s) Safety Function:

Thermal cut-off switch for the Electric Heater (Plant I.D. #OE-101A/B) for over temperature protection. This heater is part of the SGTS which controls the exhaust of filtered air from the R.B. to maintain a negative pressure in the secondary containment for the DBA (LOCA) and also controls the filtration of exhausted air to remove radioactive particulates and iodine to limit offsite dose to the guidelines of 10CFR100. Also controls filtration and exhaust from the Main Steam Isolation Valve Leakage Control System.

2. Accident(s) for which Component(s) must be Qualified:

40, 42 (gamma TID = 1.2E07)
(beta TID = 4.3E05)

3. Justification for Interim Operation:

3,6, 7,8. The electric heaters, OE-101A/B, serves to reduce the relative humidity of the incoming air. Each heater is controlled by a set of resistance temperature detectors (RTD's) and a Silicon Controlled Rectifier (SCR) control circuit. The Chromalox temperature switches in question are utilized as a "back-up", specifically for over temperature protection, in the event the RTD's and SCR Controller malfunctioned. Since the RTD's and SCR Controller are qualified under P.O. J-59 and M-409, respectively, this temperature switch is a redundant feature and would not be required for the proper operation of the heater/SGTS filter system. Nevertheless, existing test data on a similar component shows the assembly capable of withstanding 50MR gamma radiation followed by thermal aging at 248°F to simulate a 40 year design life. This data exceeds the required radiation TID level.

The qualification of this temperature switch will be completed by the first refueling outage.

4. Interim Operation is /X/ Justified / / Not Justified

ENVIRONMENTAL QUALIFICATION - JUSTIFICATION FOR INTERIM OPERATION

Component Ident. No(s).: ZS-14808

Component Name: Switch, Position

System: Standby Liquid Control Purchase Order: Field

1. Component(s) Safety Function:

   This limit switch provides remote indication of valve C41-F008 which is a normally locked-open manual valve in the SLCS. The switch does not perform a safety function but it is located in a 1E circuit.

2. Accident(s) for which Component(s) must be Qualified:

   None. (Must not degrade Class 1E circuit).

3. Justification for Interim Operation:

   1. The failure of this switch will not affect the ability to achieve and maintain cold shutdown. This component is electrically and physically separate from equipment on the cold shutdown path.

      The switch will be replaced by qualified one at the first refueling outage.

4. Interim Operation is /X/ Justified /_/ Not Justified

DATE: April 11, 1983

Pennsylvania Power and Light Nuclear Plant Engineering Position on

The Requirements of NUREG-0588, Revision 1

Environmental Qualification of Safety-Related

Category II Electrical Equipment

CONCURRENCE:

A. M. Male, Manager - Nuclear Design

T. M. Crimmins, Manager - Nuclear Plant Engineering

W. E. Barberich, Manager - Nuclear Licensing

APPROVAL:

N. W. Curtis, Vice President Engineering and Construction-Nuclear

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
1. ESTABLISHMENT OF THE QUALIFICATION PARAMETERS FOR DESIGN BASIS EVENTS	
1.1 Temperature and Pressure Conditions Inside Containment - Loss-of-Coolant Accident (LOCA)	1.1 Containment: SSES Primary LOCA: Full size recirculation line break (suction side).
(1) The time-dependent temperature and pressure, established for the design of the containment structure and found acceptable by the staff, may be used for environmental qualification of equipment.	(1) Time dependent temperature, pressure and humidity profiles defined in the FSAR will be used.
(2) Acceptable methods for calculating and establishing the containment pressure and temperature envelopes to which equipment should be qualified are summarized below. Acceptable methods for calculating mass and energy release rates are summarized in Appendix A.	(2) The method of calculating SSES containment pressure and temperature has been reviewed and accepted through the FSAR.
Pressurized Water Reactors (PWRs)	
Dry Containment - Calculate LOCA containment environment using CONTEMPT-LT or equivalent industry codes. Additional guidance is provided in Standard Review Plan (SRP) Section 6.2.1.1.A, NUREG-75/087.	N/A
Ice Condenser Containment - Calculate LOCA containment environment using LOTIC or equivalent industry codes. Additional guidance is provided in SRP Section 6.2.1.1.B, NUREG-75/087.	N/A
Boiling Water Reactors (BWRs)	
Mark I, II and III Containment - Calculate LOCA environment using methods of GESSAR Appendix 3B or equivalent industry codes. Additional guidance is provided in SRP Section 6.2.1.1.C, NUREG-75/087.	
(3) In lieu of using the plant-specific containment temperature and pressure design profiles for BWR and ice condenser types of plants, the generic envelope shown in Appendix C may be used for qualification testing.	(3) Plant specific parameters will be used and justified.
(4) The test profiles included in Appendix A to IEEE Std. 323-1974 should not be considered an acceptable alternative in lieu of using plant-specific containment temperature and pressure design profiles unless plant-specific analysis is provided to verify the adequacy of those profiles.	(4) Plant specific parameters will be used and justified.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
1.2 Temperature and Pressure Conditions Inside Containment - Main Steam Line Break (MSLB)	1.2 Time dependent temperature, pressure and humidity profiles defined in the FSAR will be used.
(1) Where qualification has not been completed, the environmental parameters used for equipment qualification should be calculated using a plant-specific model based on the staff-approved assumptions discussed in item 1 of Appendix B.	
(2) Other models that are acceptable for calculating containment parameters are listed in Section 1.1(2).	(2) See Section 1.2(1)
(3) In lieu of using the plant-specific containment temperature and pressure design profiles for BWR and ice condenser plants, the generic envelope shown in Appendix C may be used.	(3) See Section 1.2(1)
(4) The test profiles included in Appendix A to IEEE Std. 323-1974 should not be considered an acceptable alternative in lieu of using plant-specific containment temperature and pressure design profiles unless plant-specific analysis is provided to verify the adequacy of those profiles.	(4) See Section 1.2(1)
(5) Where qualification has been completed but only LOCA conditions were considered, then it must be demonstrated that the LOCA qualification conditions exceed or are equivalent to the maximum calculated MSLB conditions. The following technique is acceptable:	(5) Calculations show that the LOCA conditions exceed or are equivalent to the maximum MSLB conditions.
(a) Calculate the peak temperature from an MSLB using a model based on the staff's approved assumptions discussed in item 1 of Appendix B.	(a) See Section 1.2(5)
(b) Show that the peak surface temperature of the component to be qualified does not exceed the LOCA qualification temperature by the method discussed in item 2 of Appendix B.	(b) See Section 1.2(5)
(c) If the calculated surface temperature exceeds the qualification temperature, the staff requires that (i) additional justification be provided to demonstrate that the equipment can maintain its required functional operability if its surface temperature reaches the calculated value or (ii) requalification testing be performed with appropriate margins, or (iii) qualified physical protec-	(c) See Section 1.2(5)

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
tion be provided to assure that the surface temperature will not exceed the actual qualification temperature.	
1.3 Effects of Chemical Spray The effects of caustic spray should be addressed for the equipment qualification. The concentration of caustics used for qualification should be equivalent to or more severe than those used in the plant containment spray system. If the chemical composition of the caustic spray can be affected by equipment malfunctions, the most severe caustic spray environment that results from a single failure in the spray system should be assumed. See SRP Section 6.5.2 (NUREG-75/087), paragraph II, item (e) for caustic spray solution guidelines.	1.3 Chemical sprays are not used. Demineralized water is used for containment spray. A single failure does not affect the spray chemical composition. Effects of demineralized water on equipment will be determined.
1.4 Radiation Conditions Inside and Outside Containment The radiation environment for qualification of equipment should be based on the normally expected radiation environment over the equipment qualified life, plus that associated with the most severe design basis accident (DBA) during or following which that equipment must remain functional. It should be assumed that the DBA related environmental conditions occur at the end of the equipment qualified life. The sample calculations in Appendix D and the following positions provide an acceptable approach for establishing radiation limits for qualification. Additional radiation margins identified in Section 6.3.1.5 of IEEE Std. 323-1974 for qualification type testing are not required if these methods are used.	1.4 The radiation environment for qualification of equipment is based on the normally expected radiation exposure plus that associated with the most severe design basis accident (DBA) during or following which that equipment must remain functional. The DBA is assumed to occur at the end of the equipment qualified life. The post-accident radiation dose rate is calculated mechanistcally, consistent with the methodology described in Appendix D.
(1) The source term to be used in determining the radiation environment associated with the design basis LOCA should be taken as an instantaneous release from the fuel to the atmosphere of 100 percent of the noble gases, 50 percent of the iodines, and 1 percent of the remaining fission products. For all other non-LOCA design	(1) The source term associated with the design basis LOCA is taken as an instantaneous release of 10 percent of the core noble gases inventory, 50 percent of the core halogens inventory and 1 percent of the remaining core fission products inventory. The only non-LOCA accident which was considered was the control rod drop accident. Control rod drop accident was used to qualify the HPCI and RCIC systems. GE's source term

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
basis accident conditions, a source term involving an instantaneous release from the fuel to the atmosphere of 10 percent of the noble gases (except Kr-85 for which a release of 30 percent should be assumed) and 10 percent of the iodines is acceptable.	for control rod drop accident was used which is based on the assumed failure of 770 fuel rods. About 10 percent of both noble gas and iodines inventories contained in these damaged rods are released from the fuel. This basis is considered to be conservative and adequate.
(2) The calculation of the radiation environment associated with design basis accidents should take into account the time-dependent transport of released fission products within various regions of containment and auxiliary structures.	(2) The calculation of the DBA airborne radiation is based on the time-dependent transport of the released airborne sources within various regions of the plant.
(3) The initial distribution of activity within the containment should be based on a mechanistically rational assumption. Hence, for compartmented containments, such as in a BWR, a large portion of the source should be assumed to be initially contained in the drywell. The assumption of uniform distribution of activity throughout the containment at time zero is not appropriate.	(3) After a LOCA, 100 percent noble gases and 50 percent halogens of the core inventory are released instantaneously to the drywell atmosphere. Initially, all the activity is contained in the drywell. In addition, 50 percent halogen and 1 percent fission product of the core inventories are assumed to be released to the reactor coolant and/or torus water instantaneously.
(4) Effects of ESF systems, such as containment sprays and containment ventilation and filtration systems, which act to remove airborne activity and redistribute activity within containment, should be calculated using the same assumptions used in the calculation of offsite dose. See SRP Section 15.6.5 (NUREG-75/087) and the related sections referenced in the Appendices to that section.	(4) SRP 15.6.5 (NUREG-75/087) and the related sections referenced in the Appendices are used in determining radiation enviornments affected by the ventilation/filtration systems. No credit is taken for the containment spray.
(5) Natural deposition (i.e., plate-out) of airborne activity should be determined using a mechanistic model and best estimates for the model parameters. The assumption of 50 percent instantaneous plate-out of the iodine released from the core should not be made. Removal of iodine from surfaces by steam condensate flow or washoff by the containment spray may be assumed if such effects can be justified and quantified by analysis or experiment.	(5) Plate-out of elemental iodine inside the drywell is evaluated mechanistically per NUREG/CR-0009. No credit is taken for removal of plate-out iodine by steam condensation flow or containment spray.
(6) For unshielded equipment located in the containment, the gamma dose and dose rate should be equal to the dose and dose rate at the centerpoint of the containment plus the contribution from location dependent sources such as the sump water and plate-out, unless it can be shown by analyses that location and	(6) Airborne gamma dose at the drywell annulus centerpoint plus contribution from plate-out sources are used to qualify equipment inside the drywell. Credit may be taken for shielding and location of the equipment to reduce the dose.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
shielding of the equipment reduces the dose and dose rate.	
(7) For unshielded equipment, the beta doses at the surface of the equipment should be the sum of the airborne and plate-out sources. The airborne beta dose should be taken as the beta dose calculated for a point at the containment center.	(7) The beta dose for unshielded equipment in the drywell is the sum of the dose calculated for a semi-infinite airborne cloud plus the contribution from plate-out sources.
(8) Shielded components need be qualified only to the gamma radiation levels required, provided an analysis or test shows that the sensitive portions of the component or equipment are not exposed to beta radiation or that the effects of beta radiation heating and ionization have no deleterious effects on component performance.	(8) An analysis for each component type qualified only for gamma radiation will be performed to show that sensitive portions of equipment are not exposed to beta radiation or that the affects of beta radiation heating and ionization have no deleterious affects on equipment performance.
(9) Cables arranged in cable trays in the containment should be assumed to be exposed to half the beta radiation dose calculated for a point at the center of the containment plus the gamma ray dose calculated in accordance with Section 1.4(6). This reduction in beta dose is allowed because of the localized shielding by other cables plus the cable tray itself.	(9) Cables arranged in cable trays in the drywell are assumed to be exposed to the beta dose of a semi-infinite cloud plus the gamma dose calculated in accordance with Section 1.4(6).
(10) Paints and coatings should be assumed to be exposed to both beta and gamma rays in assessing their resistance to radiation. Plate-out activity should be assumed to remain on the equipment surface unless the effects of the removal mechanisms, such as spray wash-off or steam condensate flow, can be justified and quantified by analysis or experiment.	(10) Beta radiation from plate out is assumed to remain on all equipment surfaces unless it can be justified to the contrary. The equipment specification requires that the materials and finish shall be suitable for the specified enviornment.
(11) Components of the emergency core cooling system (ECCS) located outside containment (e.g., pumps, valves, seals and electrical equipment) should be qualified to withstand the radiation equivalent to that penetrating the containment, plus the exposure from the sump fluid using assumptions consistent with the requirements stated in Appendix K to 10 CFR Part 50.	(11) Radiation dose and dose rates include contributions from both containment shine and contained sources circulated outside containment based on assumptions for release in Section 1.4(3).
(12) Equipment that may be exposed to radiation doses below 10^4 rads should not be considered to be exempt from radiation qualification, unless analysis supported by test data is provided to verify that these levels will not degrade the operability of the equipment below acceptable values.	(12) Equipment determined to be susceptable to low level radiation and which will be exposed to radiation levels below 10^4 rads is analyzed to determine whether this low level radiation affects its ability to function.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
(13) The staff will accept a given component to be qualified provided it can be shown that the component has been qualified to integrated beta and gamma doses which are equal to or higher than those levels resulting from an analysis similar in nature and scope to that included in Appendix D (which uses the source term given in item (1) above), and that the component incorporates appropriate factors pertinent to the plant design and operating characteristics, as given in these general guidelines.	13) Equipment which has been qualified to integrated beta and gamma doses equal to or higher than the TID resulting from analysis consistent with Appendix D will be considered qualified. Acceptable calculations or test data will be provided in all cases to justify qualification.
(14) When a conservative analysis has not been provided by the applicant for staff review, the staff will use the radiation environment guidelines contained in Appendix D, suitably corrected for the differences in reactor power level, type, containment size, and other appropriate factors.	14) Qualification will be based on analyses consistent with Appendix D.
1.5 <u>Environmental Conditions for Outside Containment</u>	1.5
(1) Equipment located outside containment that could be subjected to high-energy pipe breaks should be qualified to the conditions resulting from the accident for the duration required. The techniques to calculate the environmental parameters described in Sections 1.1 through 1.4 (Category II) above should be applied.	(1) Equipment will be identified and listed. Environmental parameters will be accounted for as described in Sections 1.1 through 1.4.
(2) Equipment located in general plant areas outside containment where equipment is not subjected to a design basis accident environment should be qualified to the normal and abnormal range of environmental conditions postulated to occur at the equipment location.	(2) This will be considered as mild environment. Equipment will be qualified to the mild environment requirements.
(3) Equipment not served by Class 1E environmental support systems, or served by Class 1E support systems that may be secured during plant operation or shutdown, should be qualified to the limiting environmental conditions that are postulated for that location, assuming a loss of the environmental support system. Or.....there may be designs where a loss of the environmental support system may expose some equipment to environments that exceed the qualified limits. For these designs,	(3) See Section 1.5(1). Monitoring will be used only if the equipment cannot be reasonably relocated or protected. Environment conditions are calculated assuming total loss of Non 1E Environmental Support Systems.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
appropriate monitoring devices should be provided to alert the operator that abnormal conditions exist and to permit an assessment of the conditions that occurred in order to determine if corrective action, such as replacing any affected equipment, is warranted.	
2. QUALIFICATION METHODS	2.
2.1 Selection of Methods	2.1
(1) Qualification methods should conform to the requirements defined in IEEE Std. 323-1971.	(1) Qualification methods will conform to the requirements defined in IEEE-STD-323-1971 for equipment purchased prior to May 23, 1980. Equipment purchased prior to May 23, 1980 requiring re-evaluation will be qualified using analysis or analysis supported by partial test data. Equipment purchased after May 23, 1980 and equipment which requires substantial re-qualification will be qualified to Catogory I unless otherwise justified.
(2) The choice of the methods selected is largely a matter of technical judgment and availability of information that supports the conclusions reached. Experience has shown that qualification of equipment subjected to an accident environment without test data is not adequate to demonstrate functional operability. In general, the staff will not accept analysis in lieu of test data unless (a) testing of the component is impractical due to size limitations, and (b) partial type test data is provided to support the analytical assumptions and conclusions reached.	(2) See 2.1 (1).
(3) The environmental qualification of equipment exposed to DBA environments should conform to the following positions. The bases should be provided for the time interval required for operability of this equipment. The operability and failure criteria should be specified and the safety margins defined.	(3) Appropriate documentation addressing this requirement will be provided.
(a) Equipment that must function in order to mitigate any accident should be qualified by test to demonstrate its operability for the time required in the environmental conditions resulting from that accident.	(a) See 2.1(1).
(b) Any equipment (safety-related or non-safety-related) that need not function in order to mitigate any accident, but that must not fail in a manner detrimental to plant safety should be qualified by test to demonstrate its capability to withstand any accident environment for the time during which it must not fail.	(b) Safety related equipment will be identified and listed. See 2.1(1).

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
(c) Equipment that need not function in order to mitigate any accident and whose failure in any mode in any accident environment is not detrimental to plant safety need only be qualified for its non-accident service environment. Although actual type testing is preferred, other methods when justified may be found acceptable. The bases should be provided for concluding that such equipment is not required to function in order to mitigate any accident, and that its failure in any mode in any accident environment is not detrimental to plant safety.	(c) Only Safety related (Class 1E) equipment to be addressed.
(4) For environmental qualification of equipment subject to events other than a DBA, which result in abnormal environmental conditions, actual type testing is preferred. However, analysis or operating history, or any applicable combination thereof, coupled with partial type test data may be found acceptable, subject to the applicability and detail of information provided.	(4) All normal, abnormal and DBA conditions to be considered during equipment qualification.
2.2 <u>Qualification by Test</u>	2.2
(1) The failure criteria should be established prior to testing.	(1) Acceptance criteria not failure criteria to be established prior to testing where possible. For tests conducted without acceptance criteria established, the test results will be evaluated for acceptability.
(2) Test results should demonstrate that the equipment can perform its required function for all service conditions postulated (with margin) during its installed life.	(2) Test results will demonstrate that the equipment can perform its required function for all service conditions postulated during its installed life.
(3) The items described in Section 5.2 of IEEE Std. 323-1971 supplemented by items (4) through (12) below constitute acceptable guidelines for establishing test procedures.	(3) The requirements of IEEE-323-1971 and of NUREG 0588, Category II were used as guideline for evaluating test procedures. See items (4) through (12) below.
(4) When establishing the simulated environmental profile for qualifying equipment located inside containment, it is preferred that a single profile be used that envelopes the environmental conditions resulting from any design basis event during any mode of plant operation (e.g., a profile that envelopes the conditions produced by the main steamline break and loss-of-coolant accidents).	(4) A single profile that envelopes the conditions produced by both the LOCA and the MSLB is preferred.
(5) Equipment should be located above flood level or protected against submergence by locating the equipment in qualified watertight enclosures. Where equipment	(5) Equipment will be located, re-located or otherwise protected. Submergence qualification will be performed where warranted.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
is located in watertight enclosures, qualification by test or analysis should be used to demonstrate the adequacy of such protection. Where equipment could be submerged, it should be identified and demonstrated to be qualified by test for the duration required.	
(6) The temperature to which equipment is qualified, when exposed to the simulated accident environment, should be defined by thermocouple readings on or as close as practical to the surface of the component being qualified. If there were no thermocouples located near the equipment during the tests, heat transfer analysis should be used to determine the temperature at the component. (Acceptable heat transfer analysis methods are provided in Appendix B.)	(6) Thermocouples to be used for temperature measurement. The preferred thermocouple location is as close as practical but not in contact with the surface of the test article. If there were no thermocouples located near the equipment during testing, the method used to determine temperature will be justified.
(7) Performance characteristics of equipment should be verified before, after, and periodically during testing throughout its range of required operability.	(7) Monitoring points are dependent on operational requirements (e.g. an item that is required to function only after an event need not be monitored during the event). In general, performance characteristics of equipment to be monitored before, periodically during and after testing throughout its range of required operability. In those cases where monitoring was not accomplished during testing justification will be provided.
(8) Caustic spray should be incorporated during simulated event testing at the maximum pressure and at the temperature conditions that would occur when the onsite spray systems actuate.	(8) Demineralized water is used for containment spray.
(9) The operability status of equipment should be monitored continuously during testing. For long-term testing, however, monitoring at discrete intervals should be justified if used.	(9) See 2.2(7).
(10) Expected extremes in power supply voltage range and frequency should be applied during simulated event environmental testing.	(10) Controlled power supplies are being used.
(11) Dust environments should be addressed when establishing qualification service conditions.	
(12) Cobalt-60 is an acceptable gamma radiation source for environmental qualification.	

PP&L POSITION ON THE REQUIREMENTS OF

NUREG 0588, REVISION 1

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
	(11) Dust will be considered when establishing equipment qualification on a case by case basis. Those types of equipment which could be adversely affected by dust will be reviewed and a preventative maintenance program established.
	(12) Cobalt 60 to be used as a gamma radiation source for environmental qualification. When other radiation sources are used, they will be justified.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
2.3	2.3
2.3 Test Sequence (1) Justification of the adequacy of the test sequence selected should be provided. (2) The test should simulate as closely as practicable the postulated environment. (3) The test procedures should conform to the guidelines described in Section 5 of IEEE Std. 323-1971. (4) The staff considers that, for vital electrical equipment such as penetrations, connectors, cables, valves and motors, and transmitters located inside containment or exposed to hostile steam environments outside containment, separate effects testing for the most part is not an acceptable qualification method. The testing of such equipment should be conducted in a manner that subjects the same piece of equipment to radiation and the hostile steam environment sequentially.	(1) See 2.1(1). Justification will be provided for the test sequence followed: (2) The tests will simulate as closely as practicable the postulated environment. (3) The test procedure will conform to IEEE-323-1971, Section 5. (4) Testing of vital safety related equipment inside containment will be conducted for the most part in a manner that subjects the same piece of equipment to the required DBA conditions sequentially.
2.4	2.4
2.4 Other Qualification Methods Same as Category I (except that IEEE Std. 323-1971 and ancillary standards endorsed at the time the CP SER was issued may be used). CATEGORY I Qualification by analysis or operating experience implemented, as described in IEEE Std. 323-1974 and other ancillary standards, may be found acceptable. The adequacy of these methods will be evaluated on the basis of the quality and detail of the information submitted in support of the assumptions made and the specific function and location of the equipment. These methods are most suitable for equipment where testing is precluded by physical size of the equipment being qualified. It is required that, when these methods are employed, some partial type tests on vital components of the equipment be provided in support of these methods.	Other qualification methods will be used where appropriate. Partial test data will be provided. IEEE-323-1971 and ancillary standards to be used for all SSES items classified as NUREG 0588 Category II.
3.	3.
3. MARGINS (1) Quantified margins should be applied to the design parameters discussed in Section 1 to assure that the postulated accident conditions have been enveloped during testing. These margins should be applied in addition to any margins (conservatism) applied during the derivation of the specified plant parameters.	(1) Quantified margins to be applied to design parameters during testing. In certain cases it will be shown that sufficient margin is inherent in the specified plant parameters. Margins less than those given in IEEE 323-1974 will be justified.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
(2) The margins provided in the design will be evaluated on a case-by-case basis. Factors that should be considered in quantifying margins are (a) the environmental stress levels induced during testing, (b) the duration of the stress, (c) the number of items tested and the number of tests performed in the hostile environment, (d) the performance characteristics of the equipment while subjected to the environmental stresses, and (e) the specified function of the equipment.	(2). Factors used in quantifying margins will include those listed in NUREG 0588 requirements 3.(2)(a) through (e).
(3) When the qualification envelope in Appendix C is used, the only required margins are those accounting for the inaccuracies in the test equipment. Sufficient conservatism has already been included to account for uncertainties such as production errors and errors associated with defining satisfactory performance (e.g., when only a small number of units are tested).	(3) Plant specific parameters will be used and justified.
(4) Some equipment may be required by the design to only perform its safety function within a short time period into the event (i.e., within seconds or minutes), and, once its function is complete, subsequent failures are shown not to be detrimental to plant safety. Other equipment may not be required to perform a safety function but must not fail within a short time period into the event, and subsequent failures are also shown not to be detrimental to plant safety. Equipment in these categories is required to remain functional in the accident environment for a period of at least 1 hour in excess of the time assumed in the accident analysis. For all other equipment (e.g., post-accident monitoring, recombiners, etc.), the 10 percent time margin identified in Section 6.3.1.5 of IEEE Std. 323-1974 may be used.	(4) For safety related equipment that is required only to perform its safety function for a short time period into the event (seconds or a few minutes) and where the normal 10% margin would be insignificant, or less than 1 hour, a test duration will be selected to demonstrate proper operation for the required time plus an adequate margin. The margin used for each piece of equipment required to operate for a short duration will be justified. All other safety related equipment will use a 10% time margin.
4. AGING	4.
(1) Qualification programs that are committed to conform to the requirements of IEEE Std. 382-1972 (for valve operators) and IEEE Std. 334-1971 (for motors) should consider the effects of aging. For this equipment, the Category I positions of Section 4 are applicable.	(1) See Category I aging requirements (1) through (10) below for these equipment types (valve operators and motors). For other equipment see Category II aging requirements (2) below.

PP&L POSITION ON THE REQUIREMENTS OF

NUREG 0588, REVISION 1

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
CATEGORY I	
(1) Aging effects on all equipment, regardless of its location in the plant, should be considered and included in the qualification program.	(1) Aging effects on safety related equipment located in harsh areas of the plant will be considered and included in the qualification program.
(2) The degrading influences discussed in Sections 6.3.3, 6.3.4 and 6.3.5 of IEEE Std. 323-1974 and the electrical and mechanical stresses associated with cyclic operation of equipment should be considered and included as part of the aging programs.	(2) Electromechanical cycling and electrical power ON/OFF cycling will be considered and included as part of the aging program.
	(3) The effects of synergisms on the aging process will be reviewed based on an industry literature search. Identified synergisms will be addressed ~~and included~~ in the qualification program.
(3) Synergistic effects should be considered in the accelerated aging programs. Investigation should be performed to assure that no known synergistic effects have been identified on materials that are included in the equipment being qualified. Where synergistic effects have been identified, they should be accounted for in the qualification programs. Refer to NUREG/CR-0276 (SAND 78-0799) and NUREG/CR-0401 (SAND 78-1452), "Qualification Testing Evaluation Quarterly Reports," for additional information.	(4) The Arrhenius method will be used for accelerated thermal aging. Other aging methods, supported by type tests, may be used if justifiable.
(4) The Arrhenius methodology is considered an acceptable method of addressing accelerated aging. Other aging methods that can be supported by type tests will be evaluated on a case-by-case basis.	(5) Known material phase changes and reactions are to be used to ensure correct application of Arrhenius thermal aging methodology.
(5) Known material phase changes and reactions should be defined to insure that no known changes occur within the extrapolation limits.	(6) Aging acceleration rate will be described and justified.
(6) The aging acceleration rate used during qualification testing and the basis upon which the rate was established should be described and justified.	
(7) Periodic surveillance testing under normal service conditions is not considered an acceptable method for on-going qualification, unless the plant design includes provisions for	(7) The use of periodic surveillance testing under normal service conditions to support on-going equipment qualification is not acceptable and will not be used at this time, except as allowed for equipment located in a MILD ENVIRONMENT. If required by some future need, periodic surveillance testing may be considered, providing a means to subject equipment to the limiting service condition can be developed.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
subjecting the equipment to the limiting service environment conditions (specified in Section 3(7) of IEEE Std. 279-1971) during such testing.	
(8) Effects of relative humidity need not be considered in the aging of electrical cable insulation.	(8) Effects of relative humidity will not be considered in the aging of electrical cable.
(9) The qualified life of the equipment (and/or component as applicable) and the basis for its selection should be defined.	(9) The qualified life of the equipment (and/or sub-components as applicable) will be defined based on the accelerated aging program, conservatisms in extrapolation of data, the operating history, or other methods that can be reasonably assumed, all coupled with good engineering judgement.
(10) Qualified life should be established on the basis of the severity of the testing performed, the conservatisms employed in the extrapolation of data, the operating history, and in other methods that may be reasonably assumed, coupled with good engineering judgment.	(10) See Section 4.(1) Category I Aging Requirements, Step (9).
CATEGORY II	
(2) For other equipment, the qualification programs should address aging only to the extent that equipment that is composed, in part, of materials susceptible to aging effects should be identified, and a schedule for periodically replacing the equipment and/or materials should be established. During individual case reviews, the staff will require that the effects of aging be accounted for on selected equipment if operating experience or testing indicates that the equipment may exhibit deleterious aging mechanisms.	(2) For equipment not covered by 4.(1) aging will be addressed as follows: (a) Age sensitive materials will be identified. (b) The Arrhenius method will be used for accelerated thermal aging. Other aging methods, supported by type tests, may be used if justifiable. (c) A replacement schedule will be implemented for materials whose qualified life is less than the plant life. (d) If surveillance of equipment indicates that the selected equipment exhibits a deleterious aging mechanism, effects of that aging will be evaluated, and a replacement or maintenance schedule will be developed.
QUALIFICATION DOCUMENTATION	
(1) The staff endorses the requirements stated in IEEE Std. 323-1974 that, "The qualification documentation shall verify that each type of electrical equipment is qualified for its application and meets its specified performance	5. (1) The documentation requirements of IEEE-323-1974 will be used.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
requirements. The basis of qualification shall be explained to show the relationship of all facets of proof needed to support adequacy of the complete equipment. Data used to demonstrate the qualification of the equipment shall be pertinent to the application and organized in an auditable form."	
(2) Same as Category I, except the guidelines of IEEE Std. 323-1971 may be used.	(2) The guidelines of IEEE-323-1971 will be used as a minimum for Equipment Qualification Documentation. Where appropriate, guidelines established by IEEE-323-1974 and NUREG-0588, Appendix E will be used.
CATEGORY I	
(2) The guidelines for documentation in IEEE Std. 323-1974 when fully implemented are acceptable. The documentation should include sufficient information to address the required information identified in Appendix E. A certificate of conformance by itself is not acceptable unless it is accompanied by test data and information on the qualification program.	
APPENDIX A	
Methods for Calculating Mass and Energy Release.	See section 1.1 (2)
APPENDIX B	
Model for Environmental Qualification for Loss-of-Coolant-Accident and Main-Steam-Line-Break Inside PWR and BWR Dry Type of Containment.	The methods defined here will be used.
APPENDIX C	
Qualification Profiles for BWR and Ice Condenser Containments.	Qualification will be to plant specific parameters.
APPENDIX D	
Sample Calculation and Type Methodology for Radiation Qualification Dose.	Integrated radiation dose is calculated consistent with Appendix D.

PP&L POSITION ON THE REQUIREMENTS OF

NUREG 0588, REVISION 1

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
APPENDIX E Standard Question on Environmental Qualification of Class 1E Equipment.	
1. Identify all Class IE equipment, and provide the following: a. Type (functional designation) b. Manufacturer c. Manufacturer's type number and model number d. The equipment should include the following, as applicable: (1) Switchgear (2) Motor control centers (3) Valve operators (4) Motors (5) Logic equipment (6) Cable (7) Diesel generator control equipment (8) Sensors (pressure, pressure differential, temperature and neutron) (9) Limit switches (10) Heaters (11) Fans (12) Control boards (13) Instrument racks and panels (14) Connectors (15) Electrical penetrations (16) Splices (17) Terminal blocks	1. Class 1E equipment will be identified and the information required by Item 1 will be provided.

PP&L POSITION ON THE REQUIREMENTS OF

NUREG 0588, REVISION 1

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
2. Categorize the equipment identified in Item 1 above into one of the following categories: a. Equipment that will experience the environmental conditions of design basis accidents for which it must function to mitigate said accidents, and that will be qualified to demonstrate operability in the accident environment for the time required for accident mitigation with safety margin to failure. b. Equipment that will experience environmental conditions of design basis accidents through which it must not fail in a manner detrimental to plant safety or accident mitagation, and that will be qualified to demonstrate the capability to withstand any accident environment for the time during which it must not fail with safety margin to failure. c. Equipment that will experience environmental conditions of design basis accidents through which it need not function for mitagation of said accidents, and whose failure (in any mode) is deemed not detrimental to plant safety or accident mitigation, and need not be qualified for any accident environment, but will be qualified for its non-accident service environment.	2. Equipment identified in Item 1 above was categorized as equipment that will experience either harsh or mild environmental conditions.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
d. Equipment that will not experience environmental conditions of design basis accidents and that will be qualified to demonstrate operability under the expected extremes of its non-accident service environment. This equipment would normally be located outside the reactor containment.	
3. For each type of equipment in the categories of equipment listed in Item 2 above, provide separately the equipment design specification requirements, including:	3. The equipment design specification requirements will be provided for each Class 1E equipment type.
a. The system safety function requirements.	
b. An environmental envelope as a function of time that includes all extreme parameters, both maximum and minimum values, expected to occur during plant shutdown, normal operation, abnormal operation, and any design basis event (including LOCA and MSLB), including post-event conditions.	
c. Time required to fulfill its safety function when subjected to any of the extremes of the environment envelope specified above.	
d. Technical bases should be provided to justify the placement of each type equipment in the categories 2.b and 2.c listed above.	

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
4. Provide the qualification test plan, test setup, test procedures, and acceptance criteria for at least one of each group of equipment of Item 1.d as appropriate to the category identified in Item 2 above. If any method other than type testing was used for qualification (operating experience, analysis, combined qualification, or ongoing qualification), describe the method in sufficient detail to permit evaluation of its adequacy.	4. The following will be provided for each Class 1E equipment type listed in 1.d and Item 2. (a) Test plan/procedures (b) Drawing or photograph of test setup (c) Acceptance criteria Any method used other than type testing will be described in detail and will be justified.
5. For each category of equipment identified in Item 2 above, state the actual qualification envelope simulated during testing (defining the duration of the hostile environment and the margin in excess of the design requirements). If any method other than type testing was used for qualification, identify the method and define the equivalent "qualification envelope" so derived.	5. The actual qualification envelope simulated during testing (including duration and adequate margin) will be provided as part of the equipment qualification documentation files. Any method used other than type testing will be justified.
6. A summary of test results that demonstrates the adequacy of the qualification program. If analysis is used for qualification, justification of all analysis assumptions must be provided.	6. A summary of test results will be provided in accordance with Appendix E-6.

NUREG 0588 REQUIREMENTS CATEGORY II	PP&L TECHNICAL POSITION
7. Identification of the qualification documents which contain detailed supporting information, including test data, for Items 4, 5 and 6. In addition, in accordance with the requirements of Appendix B of 10 CFR 50, the staff requires a statement verifying that (1) all Class 1E equipment has been qualified for an operating license (OL) or will be qualified for a construction permit (CP) to the program described above, and (2) the detailed qualification information and test results are (or will be) available for an NRC audit.	7. Qualification documents which contain detailed supporting information, including test data, for Items 4, 5 and 6 will be provided. A statement for each piece of Class 1E equipment verifying: (1) Each has been qualified for an operating license or will be qualified upon successful resolution of defined deficiencies. (2) The detailed qualification information and test results are (or will be) available for an NRC audit.

Chapter 3

3A - Identification of Environmental Parameters

The design basis events as described Chapter 15 of the FSAR were used to establish the parameters for environmental qualification. The events listed below determine the enveloping environmental conditions for all design basis events:

1. Loss of Coolant Accident - The following line breaks inside containment (Reference Subsection 6.2 of the FSAR):

   a. An instantaneous guillotine rupture of a recirculation line.

   b. An instantaneous rupture of a main steam line.

   c. An intermediate size liquid line rupture.

   d. A small size rupture.

2. High Energy (Steam System) Line Break outside primary containment.

3. Instrument Line Break Outside Primary Containment.

4. Feedwater Line Break Outside Primary Containment.

5. Control Rod Drop Accident.

The resulting environmental conditions for all of the above accidents and normal expected plant transients were enveloped for each plant area and the resulting service conditions are listed in SSES FSAR Table 3.11-6 which is reproduced in Section 3C of this report. Thus, Table 3.11-6 lists the maximum normal and DBE values for each environmental parameter.

The plant areas both inside and outside primary containment were divided into environmental zones which are listed in Section 3C and are shown in the zone maps of Section 3B.

The following areas of the plant present an environment considered harsh:

- Containment - all areas
- Reactor Building - all areas except H&V Rooms in Zone R4
- Control Structure - SGTS Room

The locations given on the component sheets correspond to the various areas of the plant as shown in the Harsh Environment Zoning Drawings and in FSAR Table 3.11-6.

The TIDs used in the SSES Environmental Qualification Program were calculated using inputs which included actual core inventory models, realistic dilution,

removal mechanisms, TMI source terms, etc. This approach provides conservative and realistic TIDs.

The environmental qualification program defined the minimum environment for which each component has to be qualified as that worst case (or combination of worst case) design basis event (DBE) environment(s) for which the equipment is required to perform a safety function. In some instances, equipment items were grouped into subgroups of different environments for convenience. However, many component types were considered as experiencing the worst case of all zones in which an item of that component type is located. In these instances, each piece of equipment is qualified to perform its function for every DBE.

The standard SSES post accident environmental qualification period (standard period) used is 100 days thermal and 180 days for radiation. The bases for these time periods is: for thermal, GE Document 22A3074 Rev. 1, "BWR Environmental Interface Data"; for radiation, the fact that 180 days is the radiation saturation time after accident.

In cases in which it can be evinced that a component or component type is not required to perform a safety function for the entire standard period, the length of the period was appropriately reduced for that specific component (type). The environmental parameters for such cases, such as TIDs, were revised as appropriate and are noted on the SCEW sheets. The environmental parameters considered in environmental qualification included the following:

- o temperature — maximum and/or envelope
- o pressure — maximum and/or envelope
- o humidity — maximum and/or envelope
- o radiation — gamma and beta maximum and/or envelope

Chemical spray effects, such as demineralized water spray, were considered where appropriate.

Margins applied to the qualification parameters for individual component types are specified in the equipment qualification document files for each component type.

Aging was considered in all cases and included in qualification where it has a detrimental effect on the equipment's ability to function.

For Category II equipment, seismic and hydrodynamic effects are considered separately under PP&L's SQRT program.

For SSES equipment, submergence and flooding were considered. The submergence of components located inside the containment is not a concern due to the design of the Mark II containment. Any large break of pipe will only flood the drywell to the top of the downcomers and increase the suppression

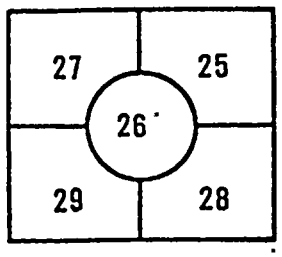
pool water level. Equipment in both the drywell and wetwell has been located above the maximum flood and pool swell levels. Submergence outside the containment is adequately addressed by the Plant Design which has provided watertight rooms for each ECCS division. Interconnecting paths such as wall penetrations (watertight) and floor drain piping (closed valves) are designed and administratively controlled to prevent crossflooding of compartments. Also, ECCS compartments are fitted with floor flooding level switches which alarm in the main control room. Long term cooling considering postulated leakage from the first isolation valve outside the suppression pool is also discussed in SER issue 34. Leakage would be contained in the watertight emergency core cooling system pump room until equilibrium is established between the suppression pool level and the level of the pump room. The pump room is watertight to a level high enough to prevent communication with other pump rooms, but still permit an equilibrium level high enough to assure suction head to the low pressure pumps. Based on the above, submergence is not applicable to most of the Class 1E equipment to be environmentally qualified. The following abbreviations are used in this Chapter:

NA: Not Applicable

For locations:

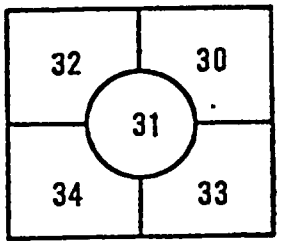
C	=	Containment
CS	=	Control Structure
R	=	Reactor Building
T	=	Turbine Building

gw/rpb10i:nf

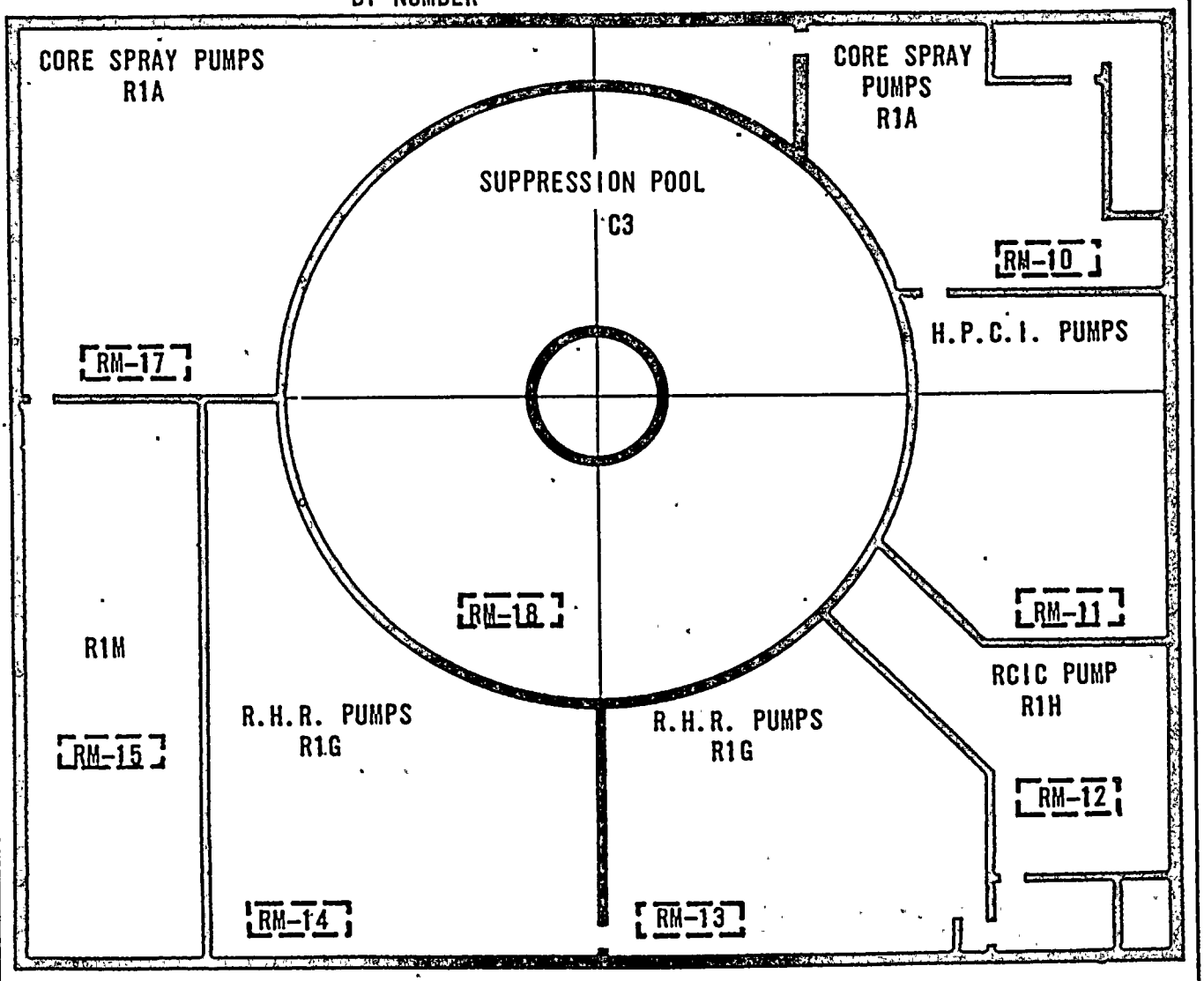


UNIT — 1

KEY TO AREA BY NUMBER



UNIT — 2

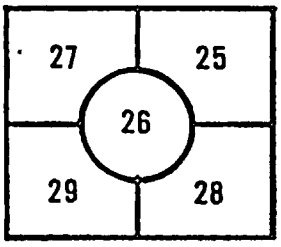


NOTE

1. DESIGNATIONS SUCH AS R1G AND R1H IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6

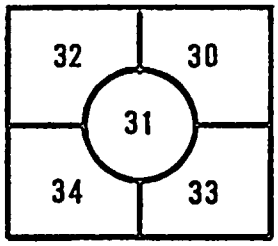
SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 — REACTOR BUILDING EL 645'-0"

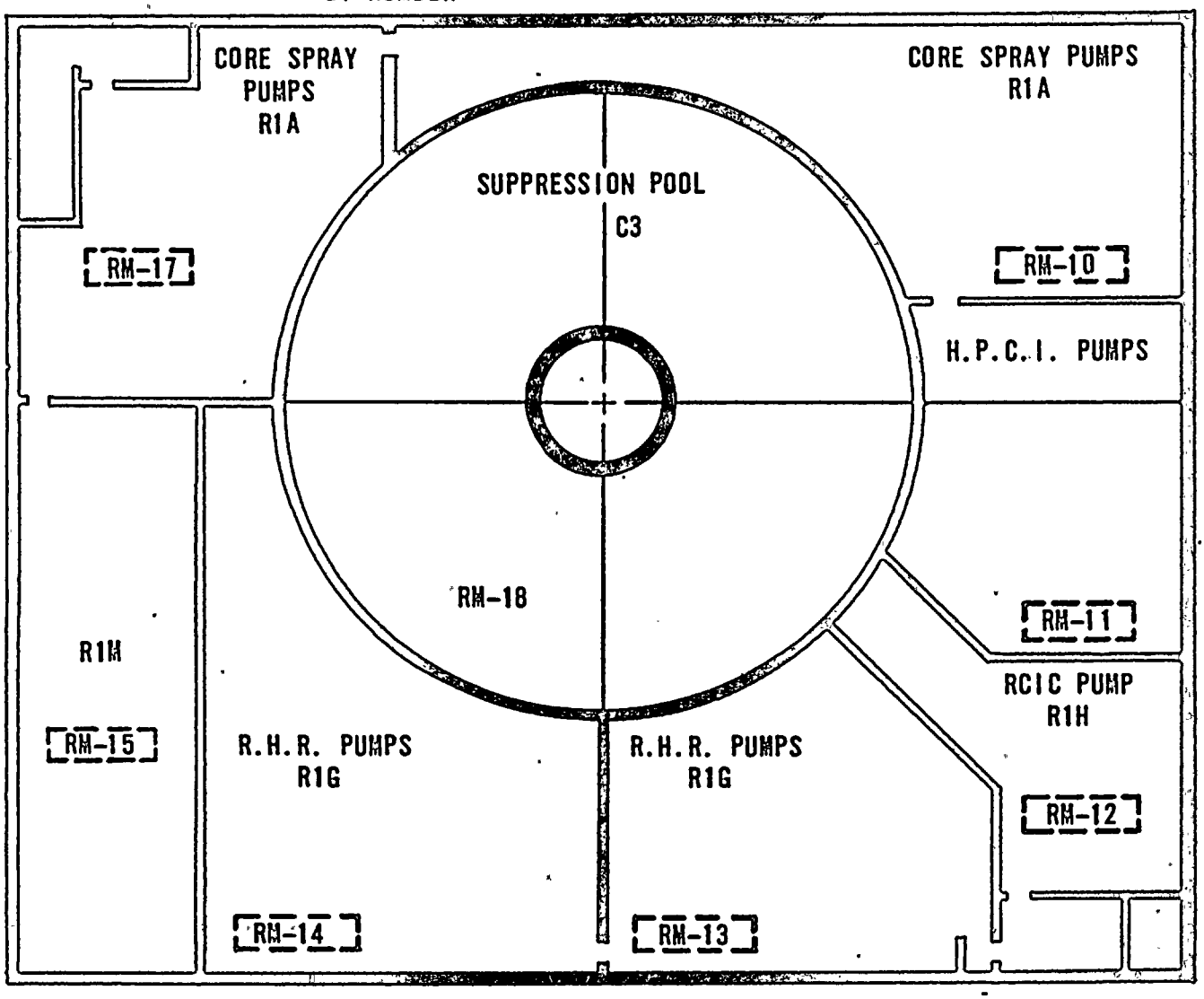


UNIT - 1

KEY TO AREA BY NUMBER



UNIT - 2

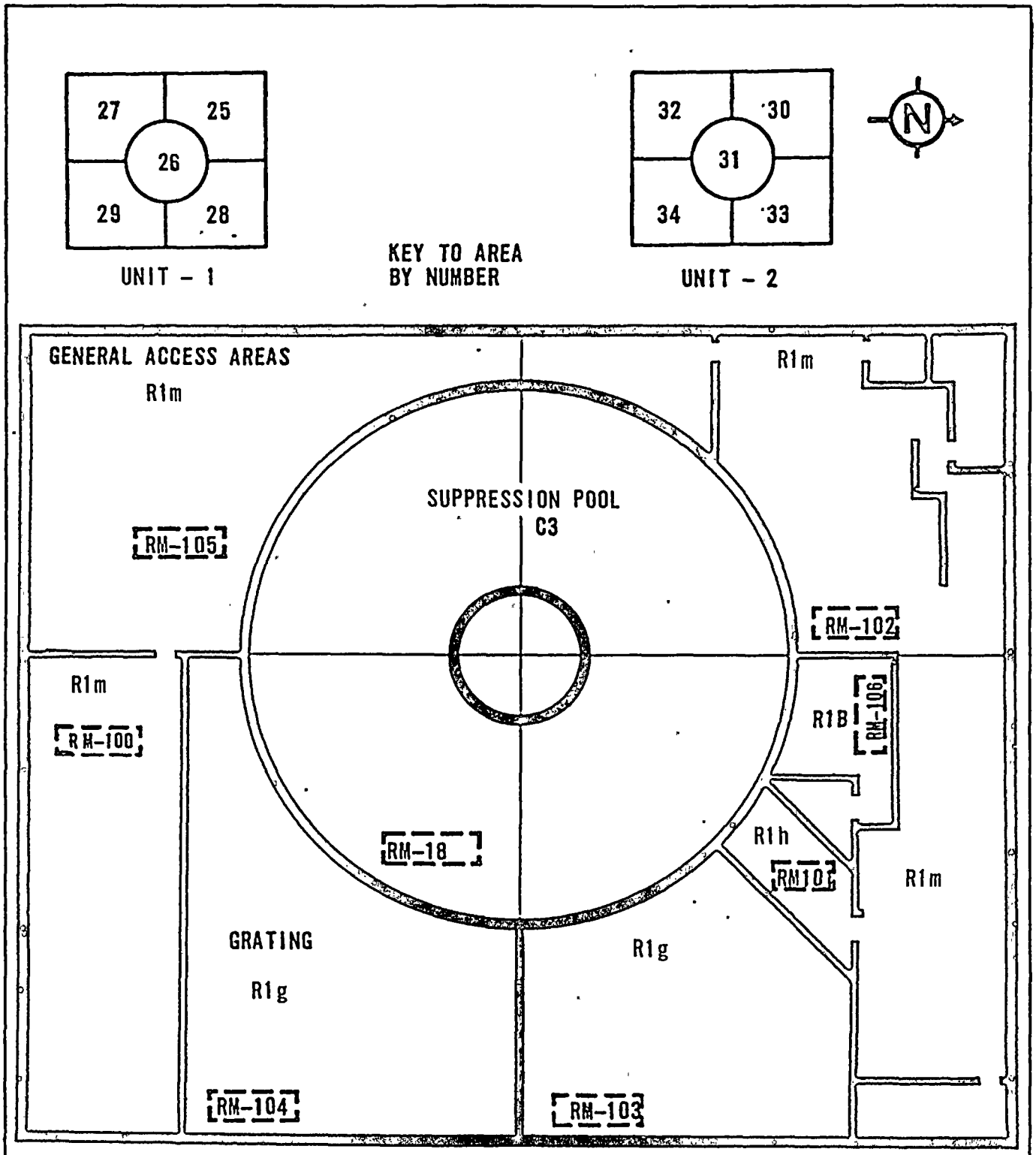


NOTE

1. DESIGNATIONS SUCH AS R1G AND R1H IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 REACTOR BUILDING EL 645'-0''

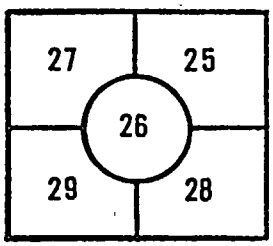


NOTE

1. DESIGNATIONS SUCH AS R1G AND R1M IDENTIFY ENVIRONMENTAL AREAS SHOWN ON FSAR TABLE 3.11-6

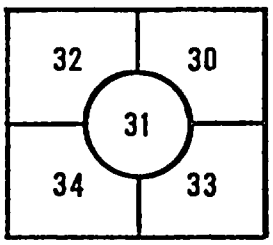
SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 — REACTOR BUILDING EL 670'-0"

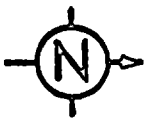


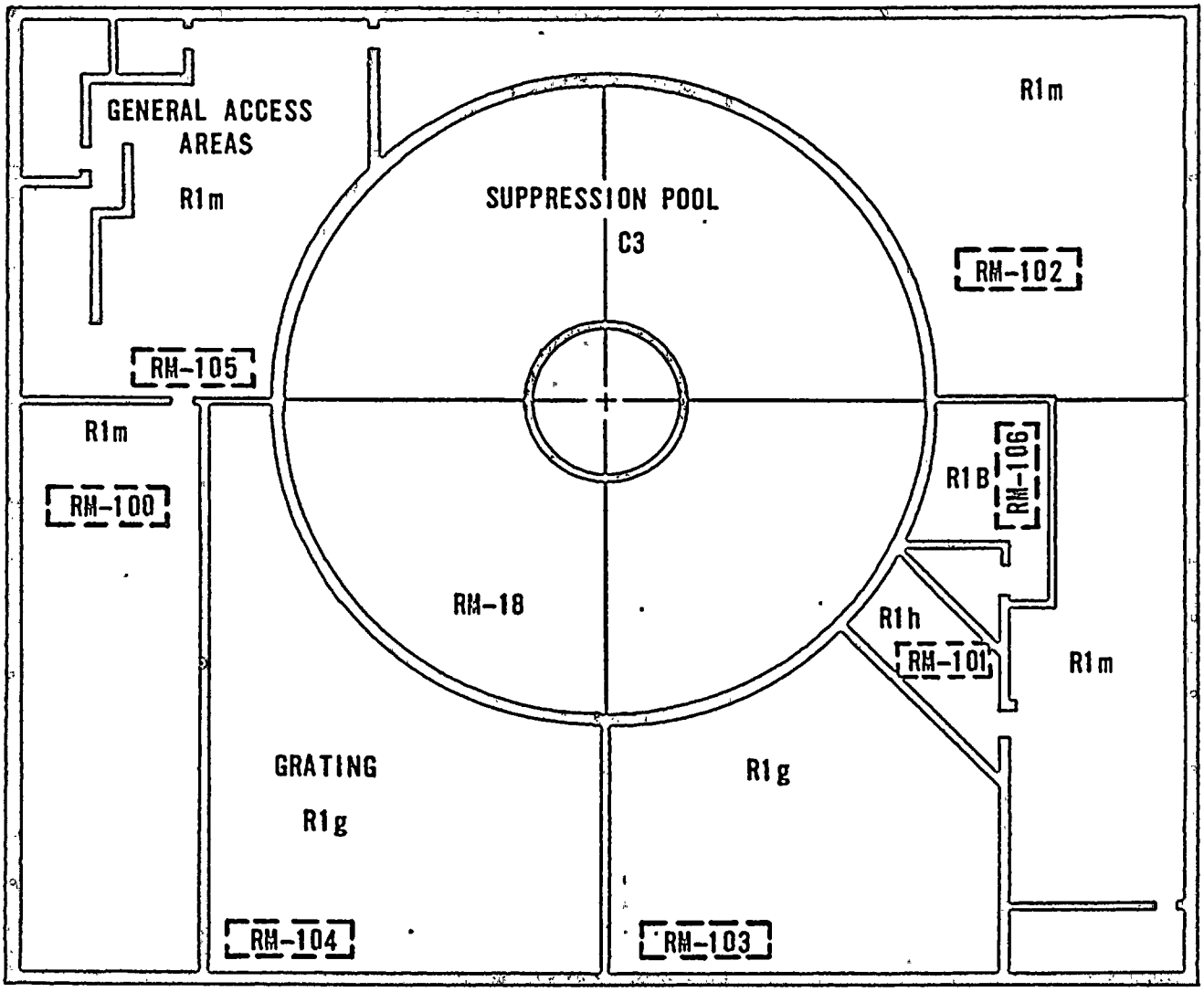
UNIT - 1

KEY TO AREA BY NUMBER



UNIT - 2



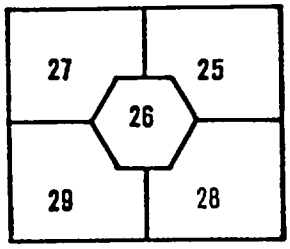


NOTE

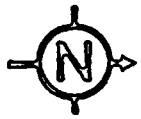
1. DESIGNATIONS SUCH AS R1g AND R1m IDENTIFY ENVIRONMENTAL AREAS SHOWN ON FSAR TABLE 3.11-6

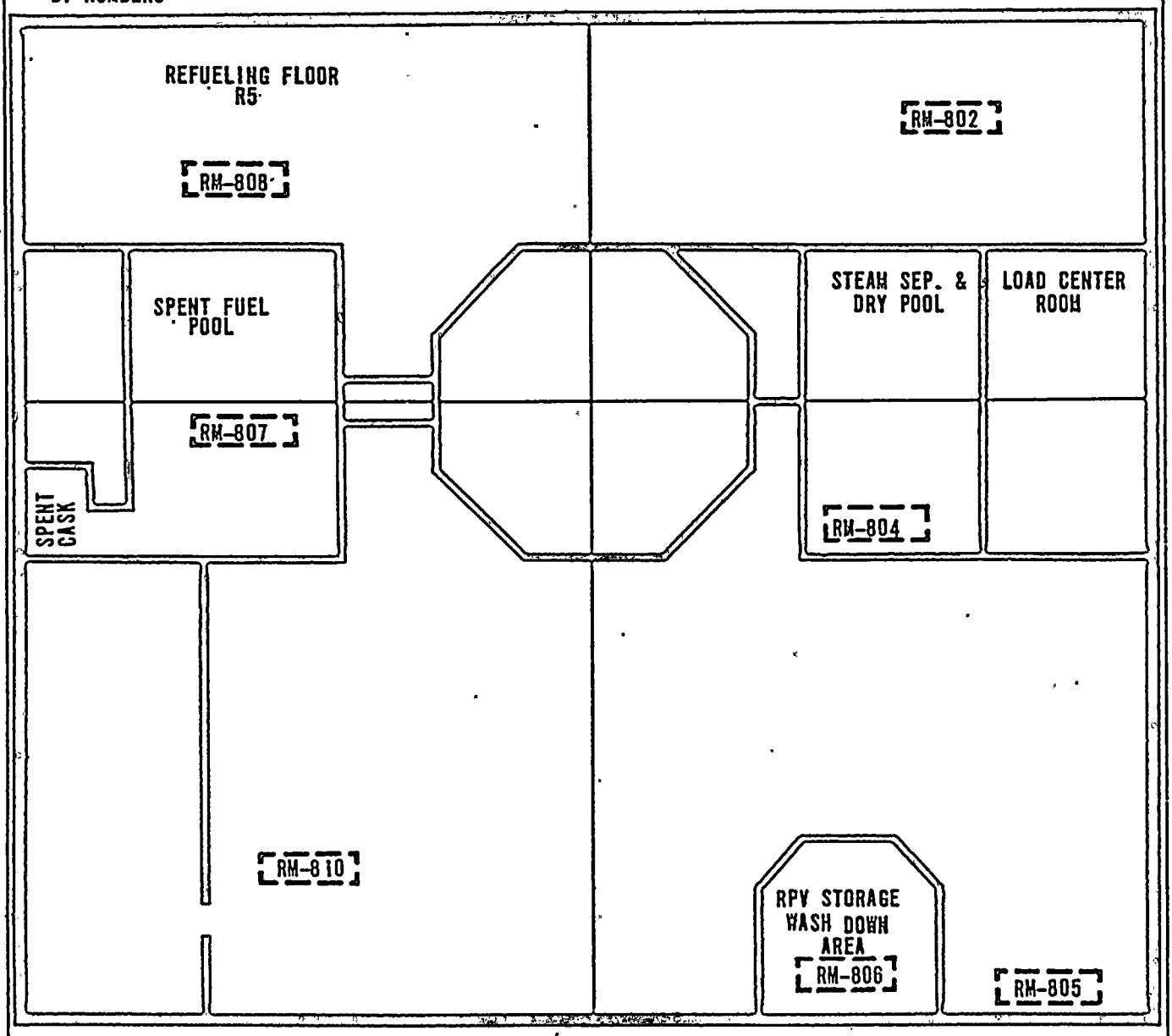
SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 - REACTOR BUILDING EL 670'-0''



KEY TO AREAS
BY NUMBERS





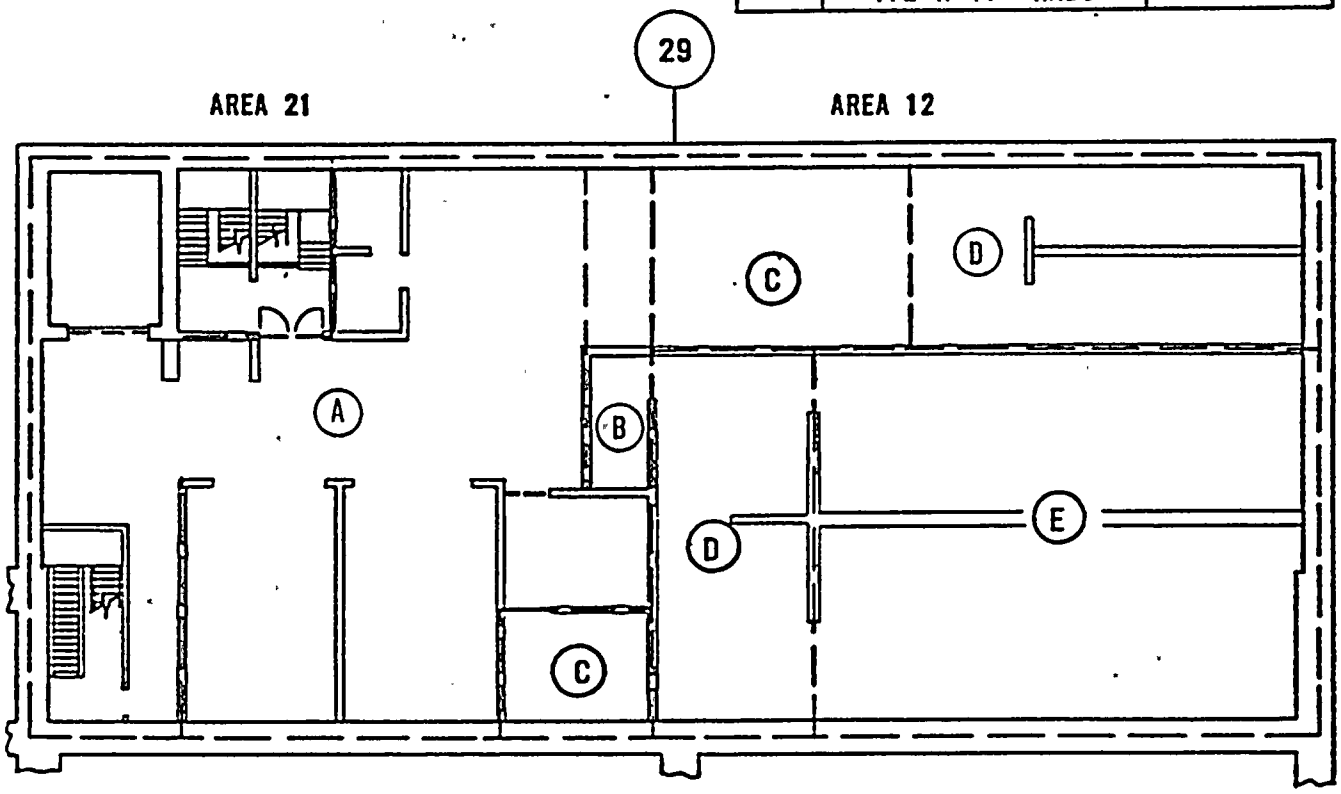
NOTE

1. DESIGNATIONS SUCH AS R5 IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

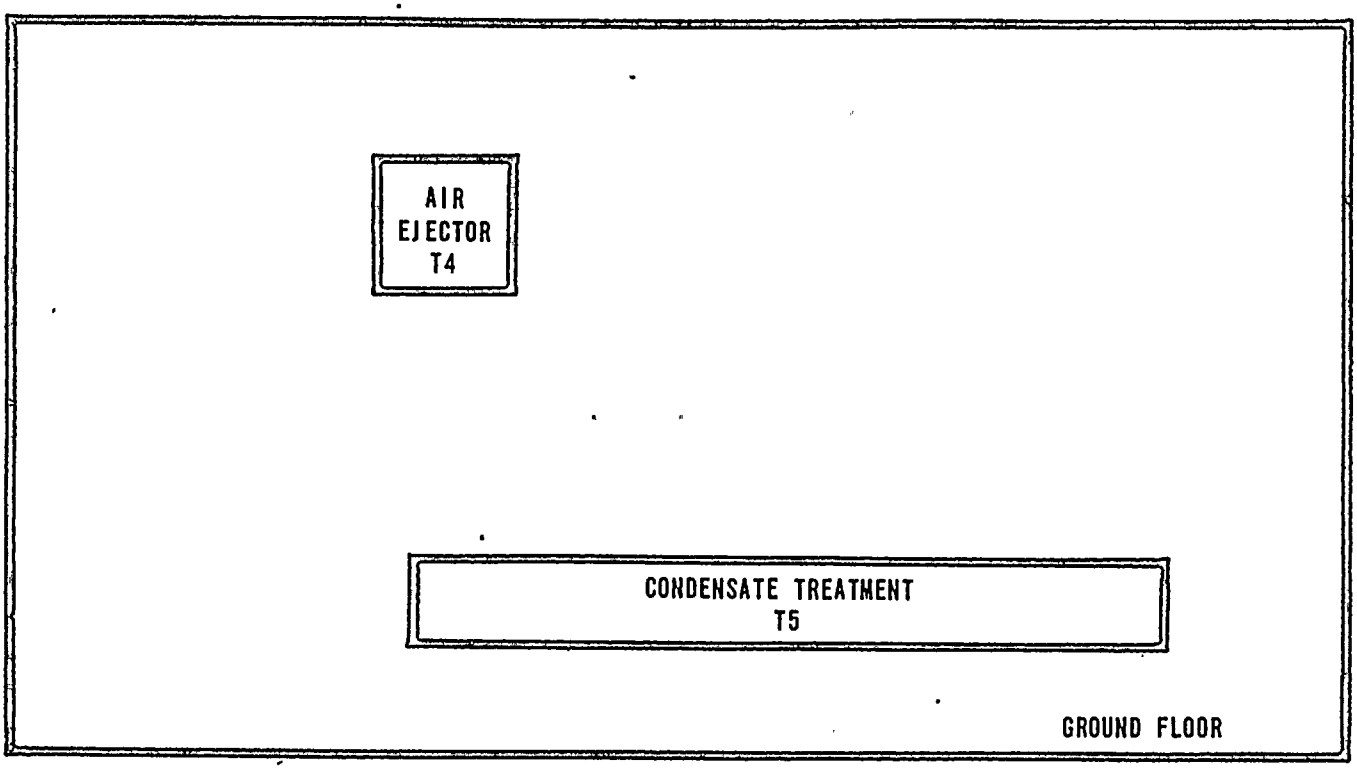
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 REACTOR BUILDING EL 818'-1"

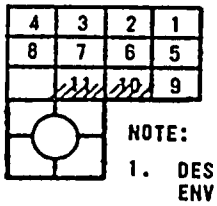
	TID	ZONE
A	1.5×10^3 RADS	CS4,21
B	2.3×10^3 RADS	CS6,21
C	1.5×10^4 RADS	CS7,12
D	1.5×10^5 RADS	CS8,12
E	1.2×10^7 RADS	CS9,12



SUSQUEHANNA SES CONTROL STRUCTURE SGTS TID SUBVIDISION ZONE MAP
ELEVATION 806'-0"

SUSQUEHANNA STEAM ELECTRIC STATION UNITS 1 & 2 PENNSYLVANIA POWER & LIGHT COMPANY
EQUIPMENT QUALIFICATION HARSH ENVIRONMENT ZONING CONTROL STRUCTURE





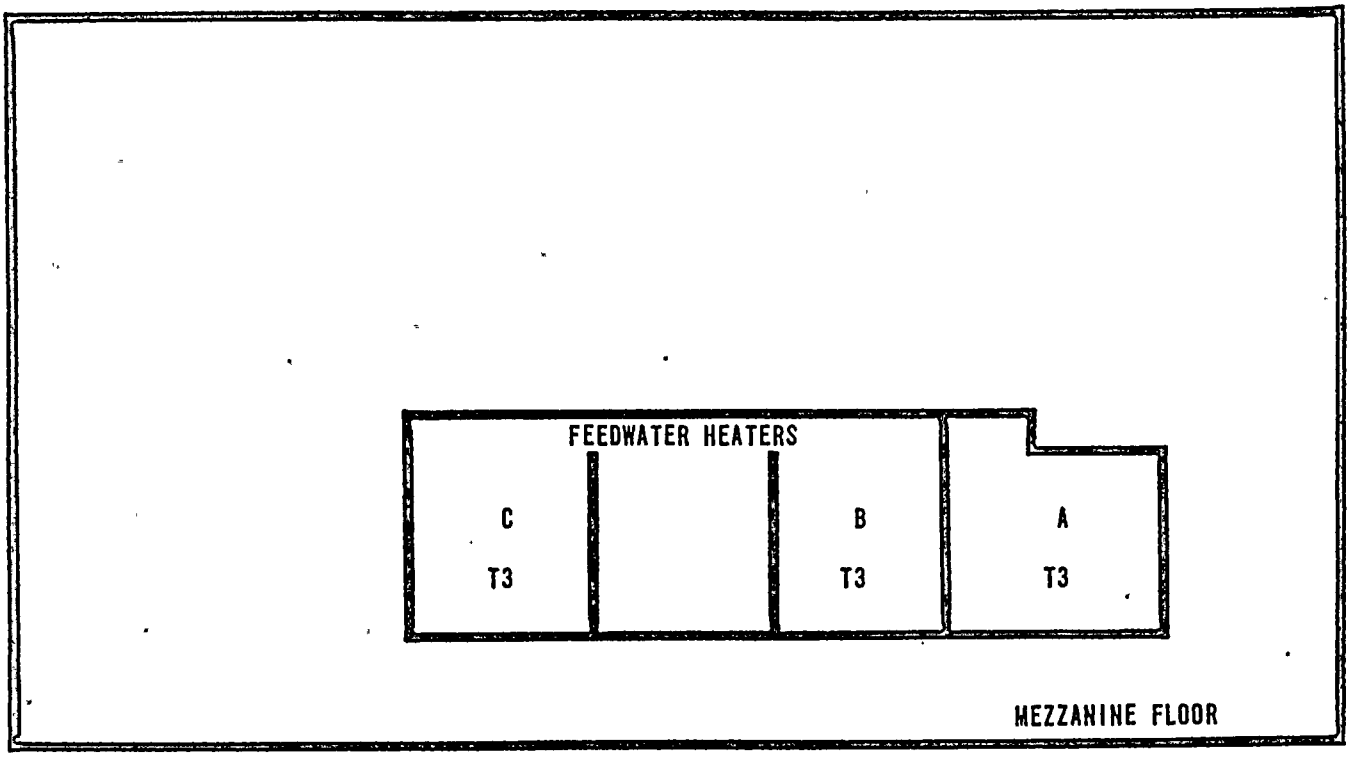
NOTE:

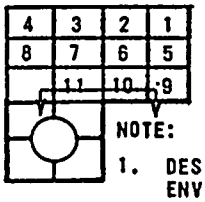
1. DESIGNATIONS SUCH AS T4 AND T5 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 TURBINE BUILDING EL. 676'-0''

REFERENCE 3.1



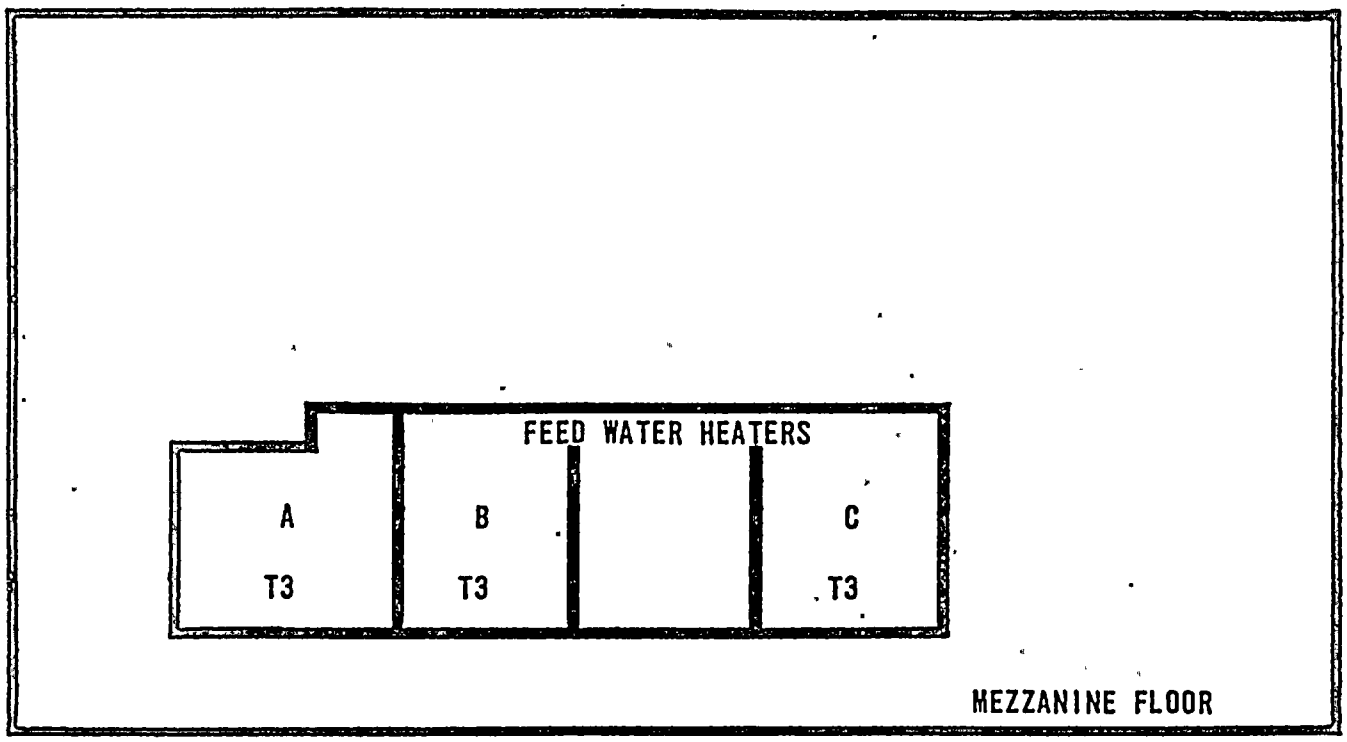


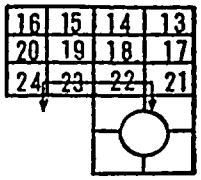
NOTE:

1. DESIGNATIONS SUCH AS T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

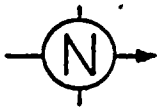
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 TURBINE BUILDING EL. 699'-0''





NOTE

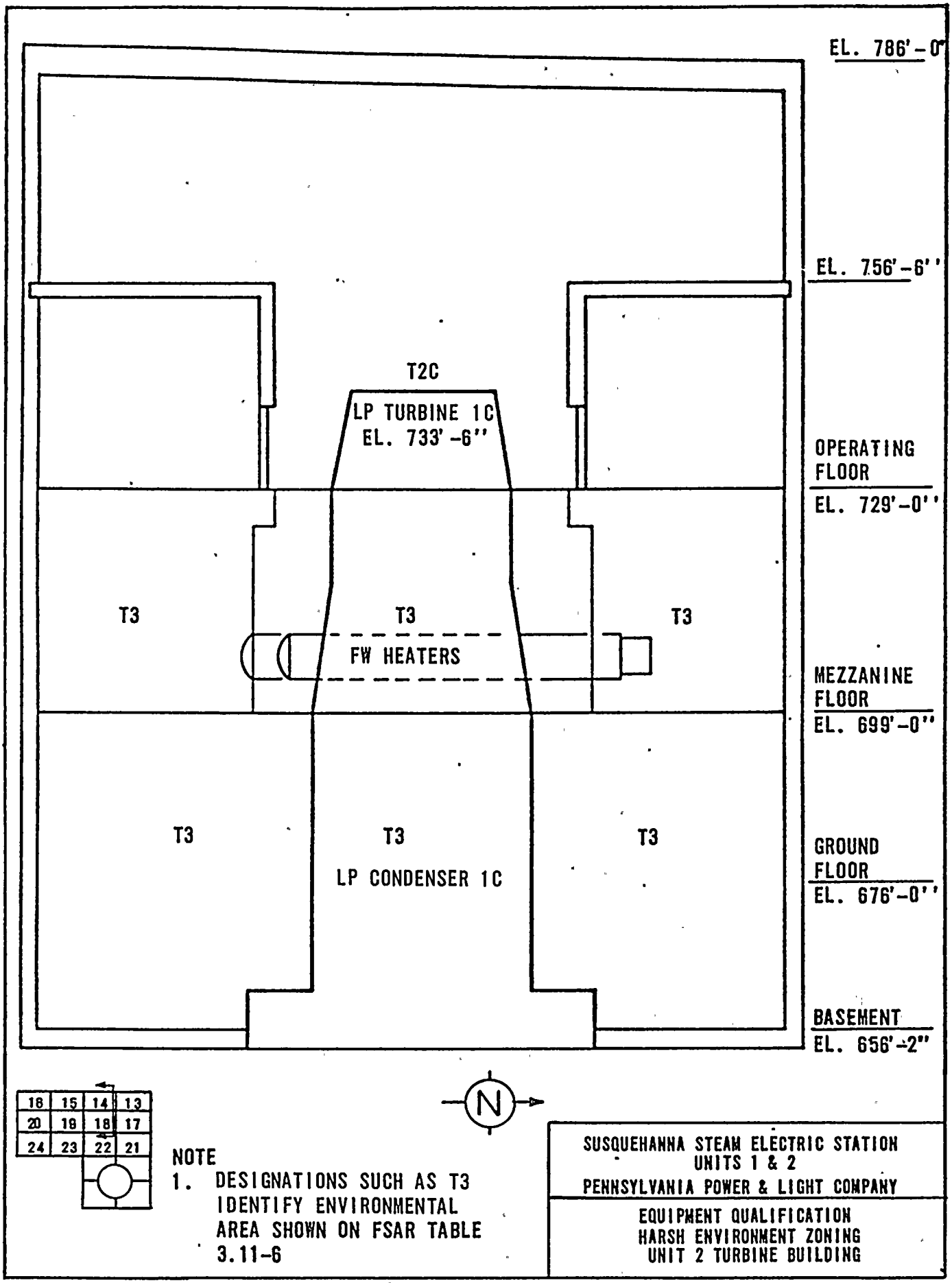
1. DESIGNATIONS SUCH AS T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6



SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 TURBINE BUILDING EL. 699' - 0"

REFERENCE 3.1



NOTE

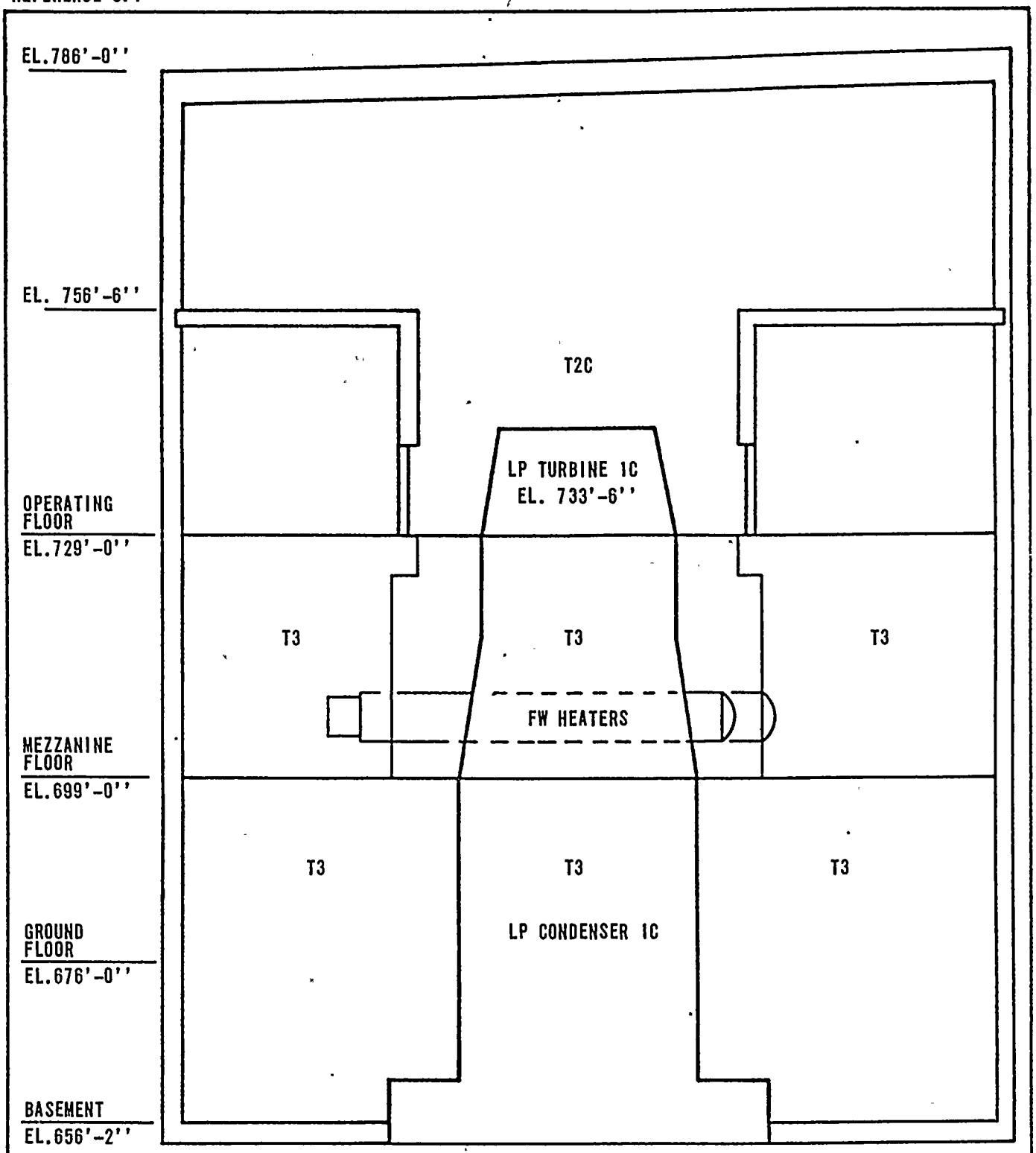
1. DESIGNATIONS SUCH AS T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6

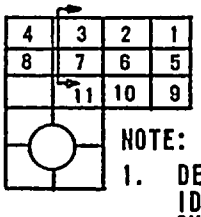
SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2

PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 TURBINE BUILDING

REFERENCE 3.1





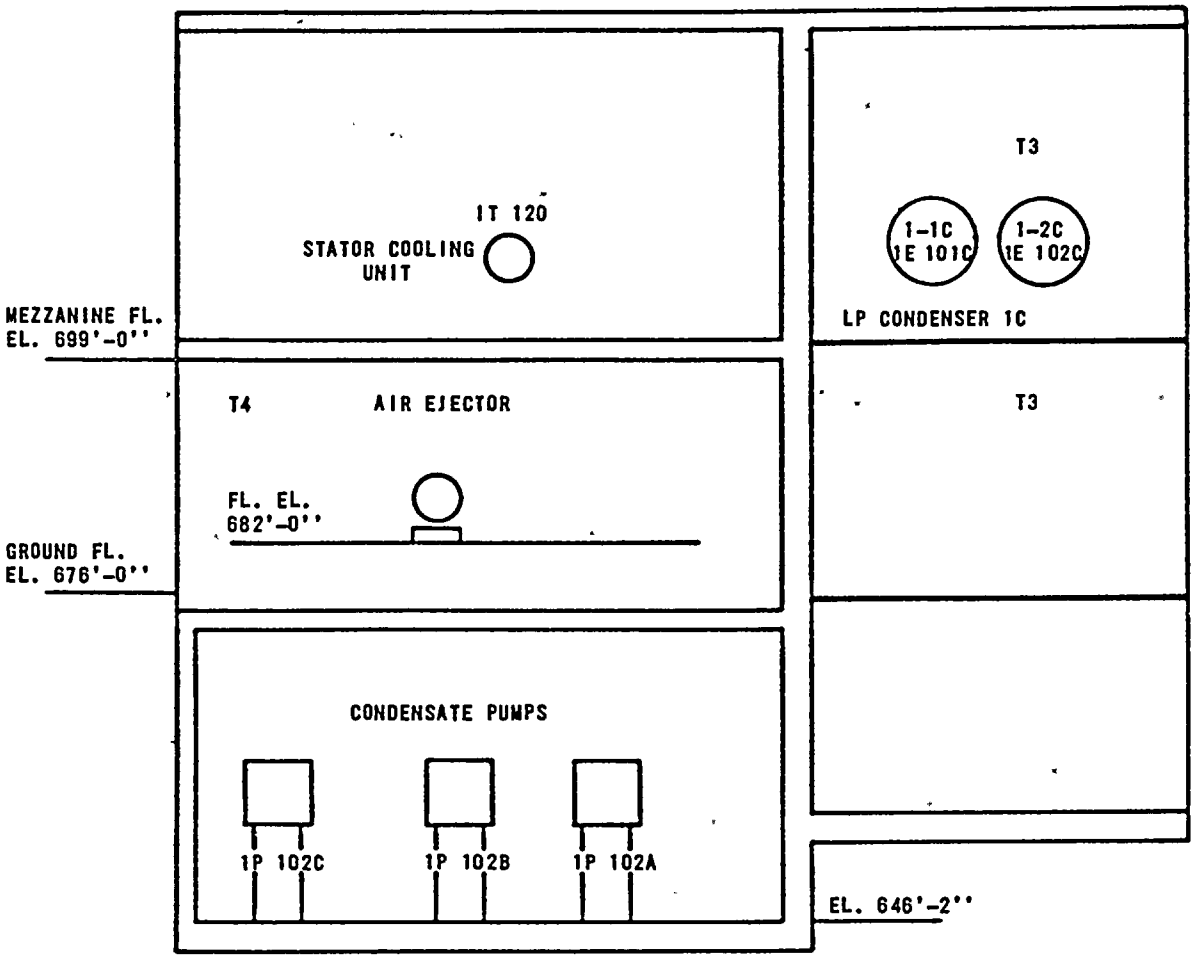
NOTE:

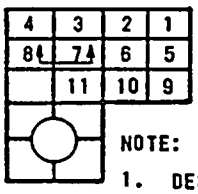
1. DESIGNATIONS SUCH AS T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 TURBINE BUILDING

REFERENCE 3.1





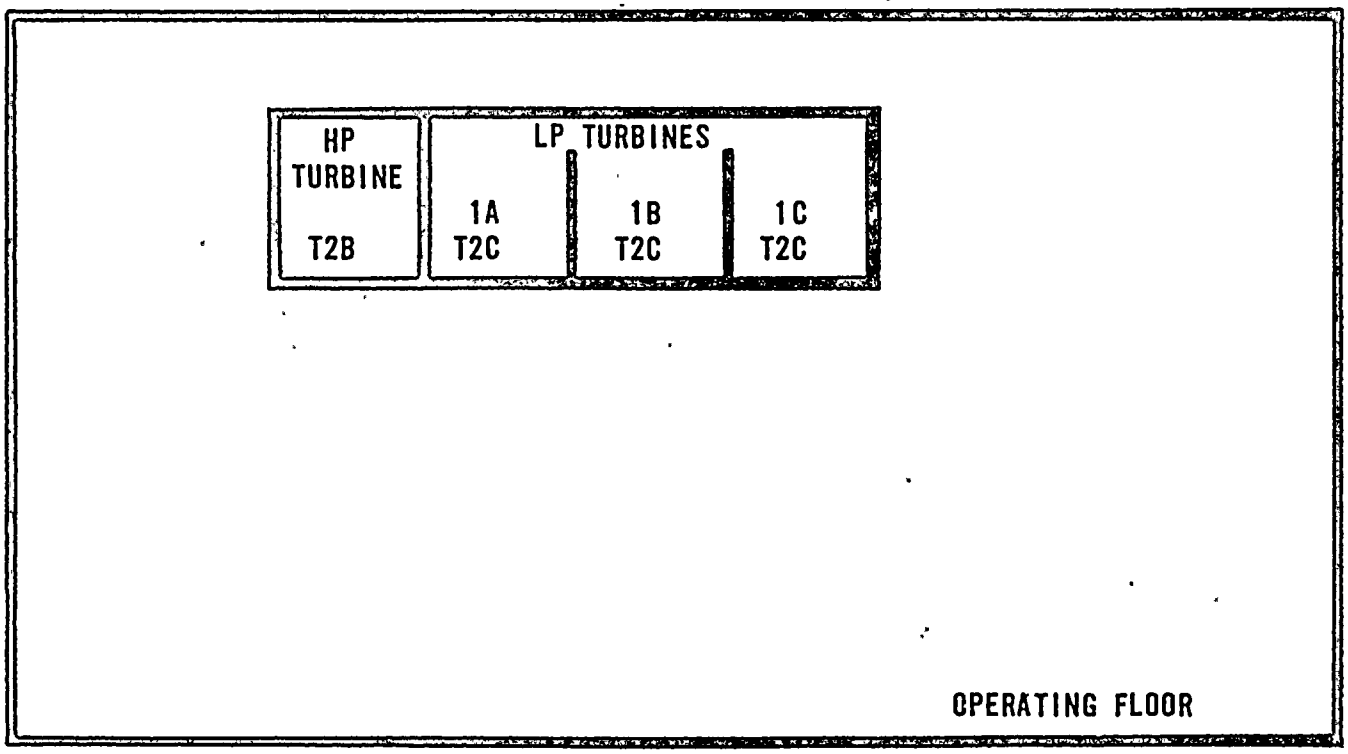
NOTE:

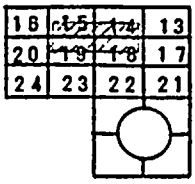
1. DESIGNATIONS SUCH AS T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6.

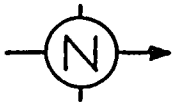
SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 & 2 TURBINE BUILDING

REFERENCE 3.1



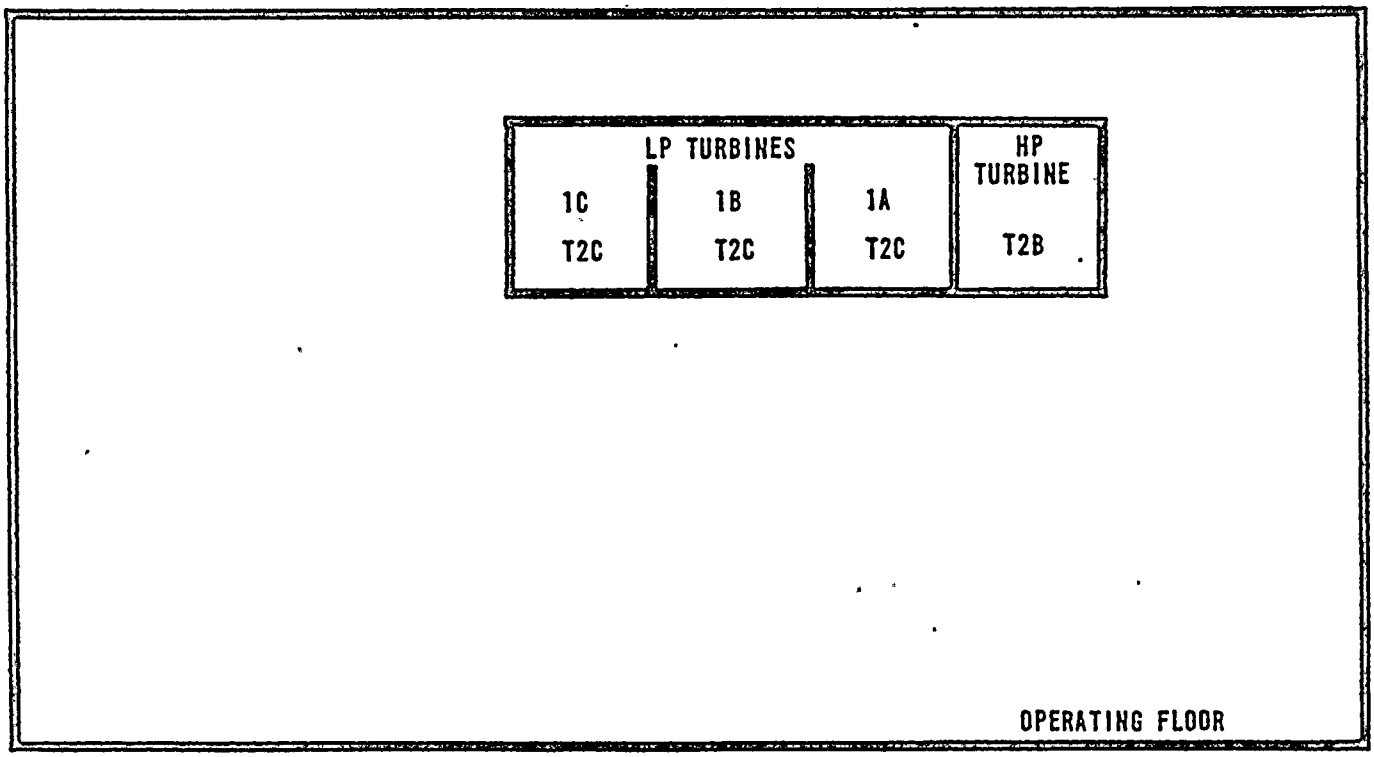


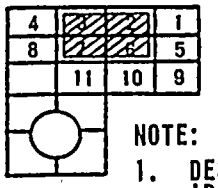


NOTE: 1. DESIGNATIONS SUCH AS T2B AND T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 TURBINE BUILDING EL-729'-0"



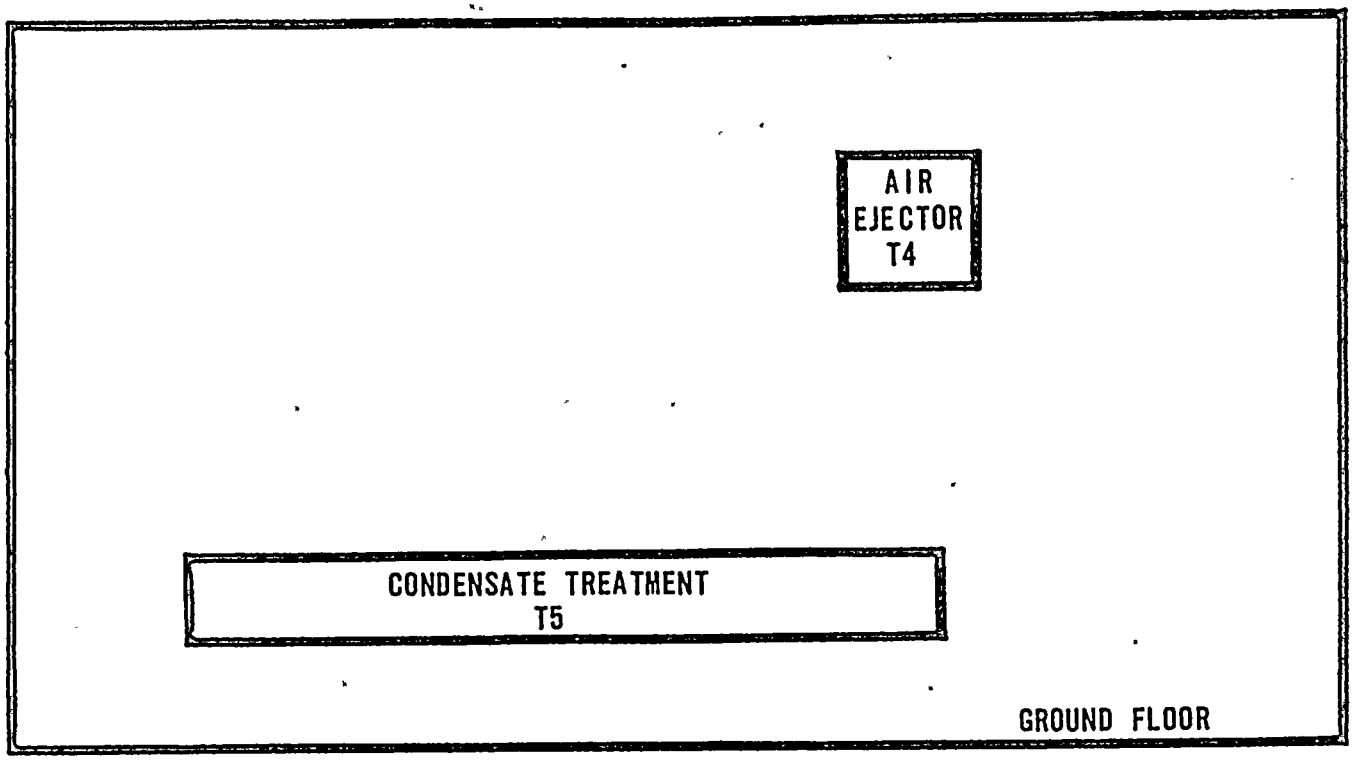


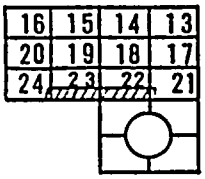
NOTE:

1. DESIGNATIONS SUCH AS T2b AND T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

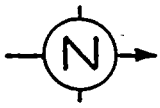
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 TURBINE BUILDING EL. 729'-0''





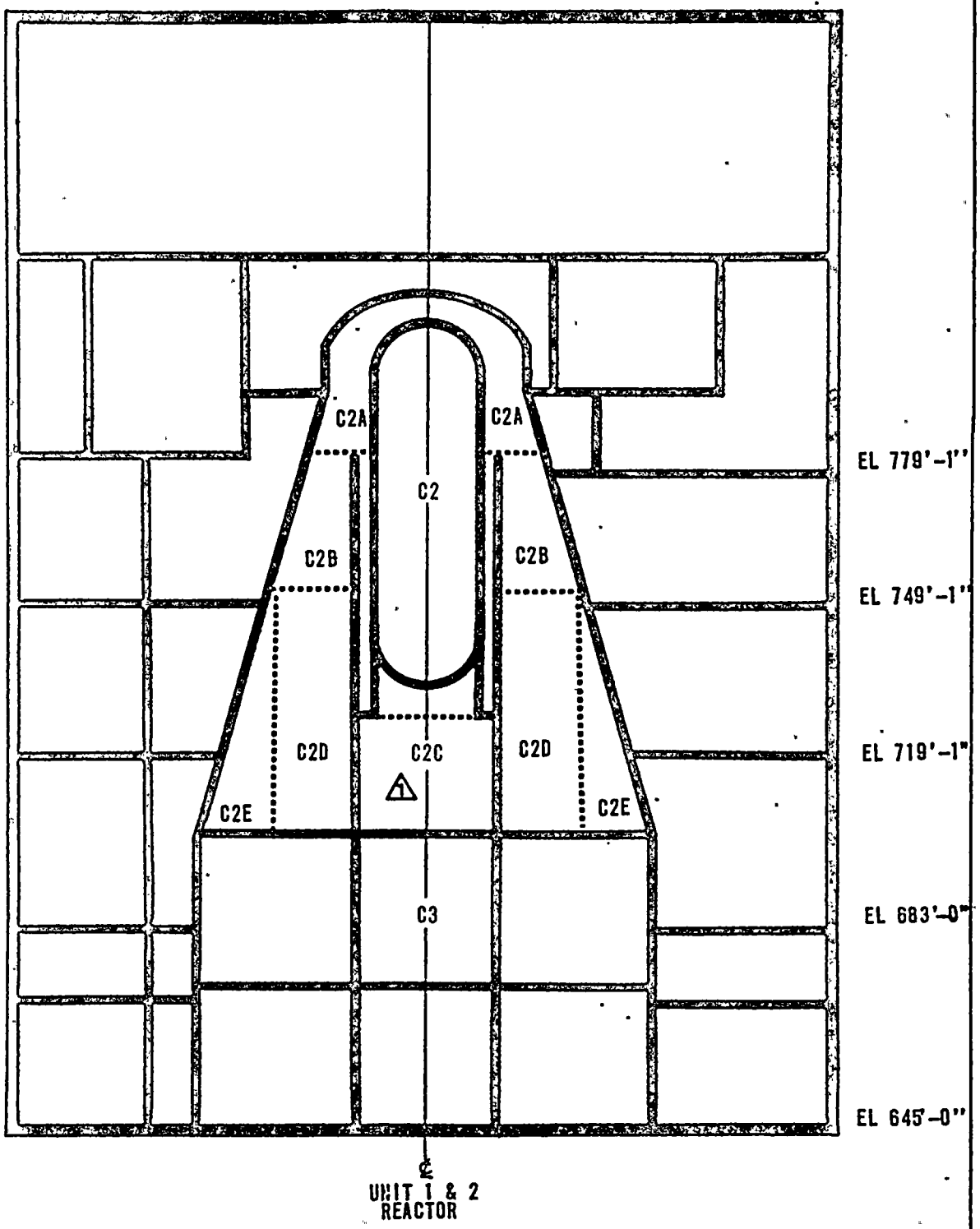
NOTE

1. DESIGNATIONS SUCH AS T2B AND T3 IDENTIFY ENVIRONMENTAL AREA SHOWN ON FSAR TABLE 3.11-6



SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

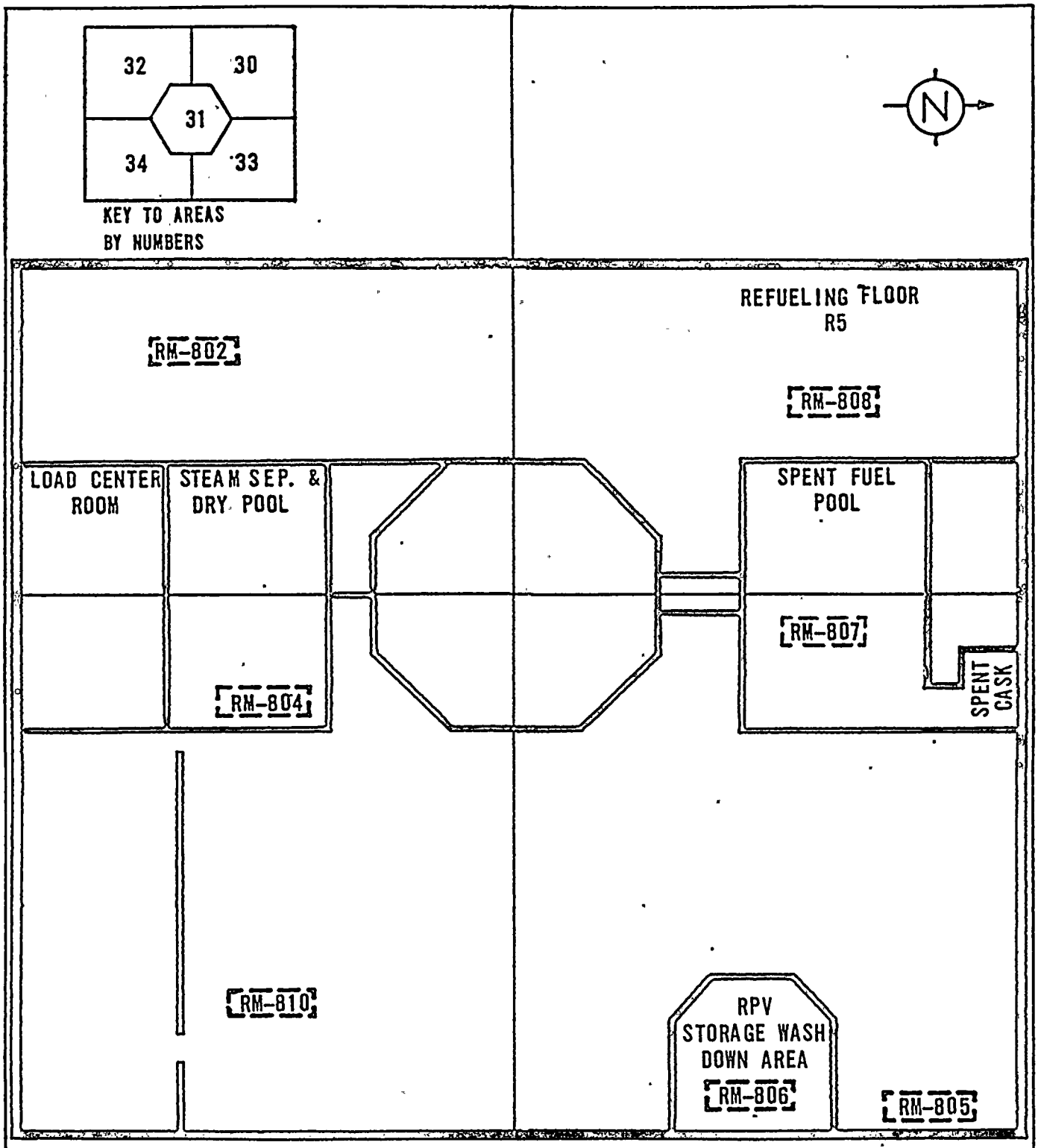
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 TURBINE BUILDING EL. 676'-0''



NOTE
1. DESIGNATIONS SUCH AS C2A AND C2D IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 & 2 REACTOR BUILDING

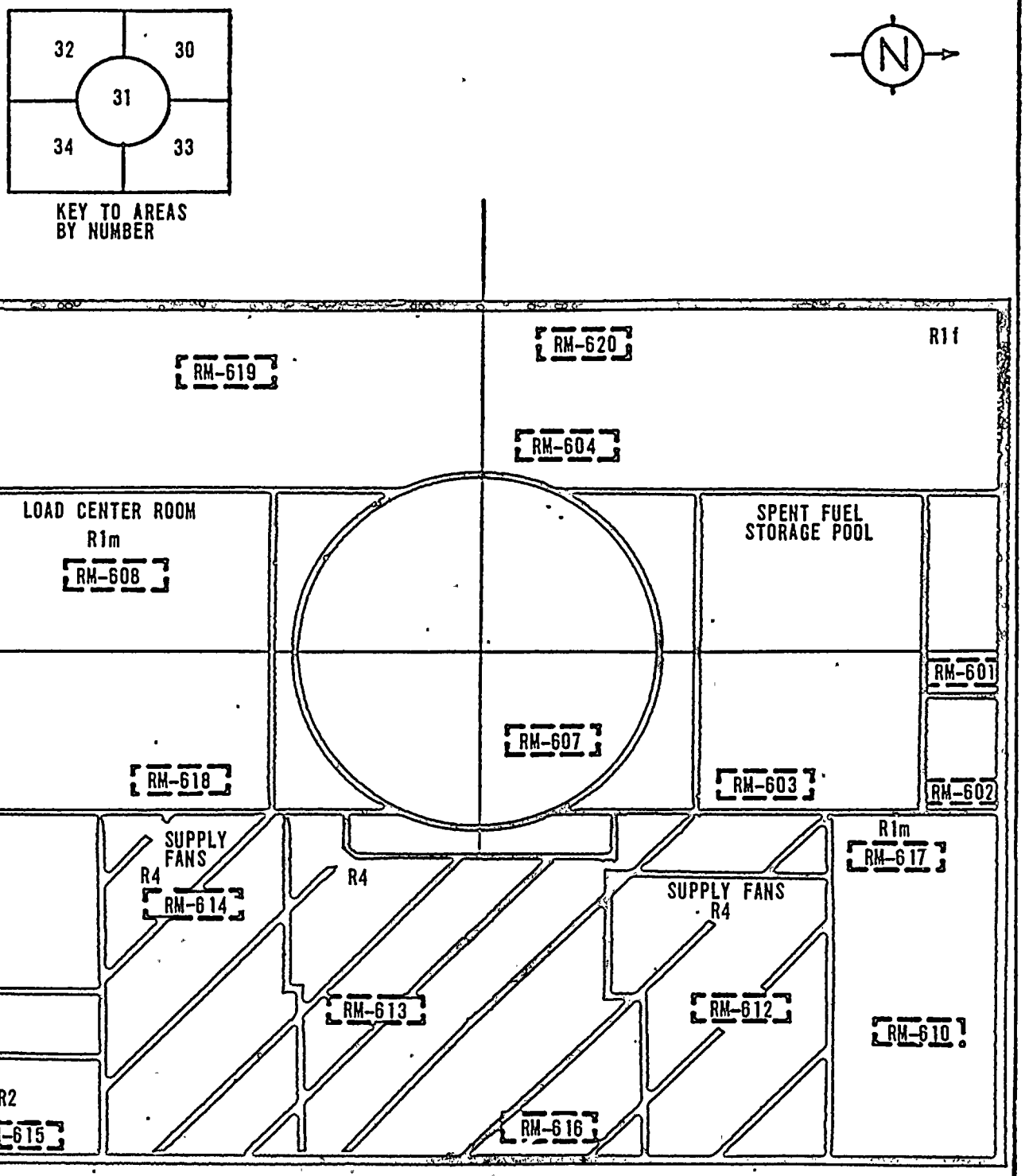


NOTE

1. DESIGNATIONS SUCH AS R5 IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 REACTOR BUILDING EL. 818'-1"

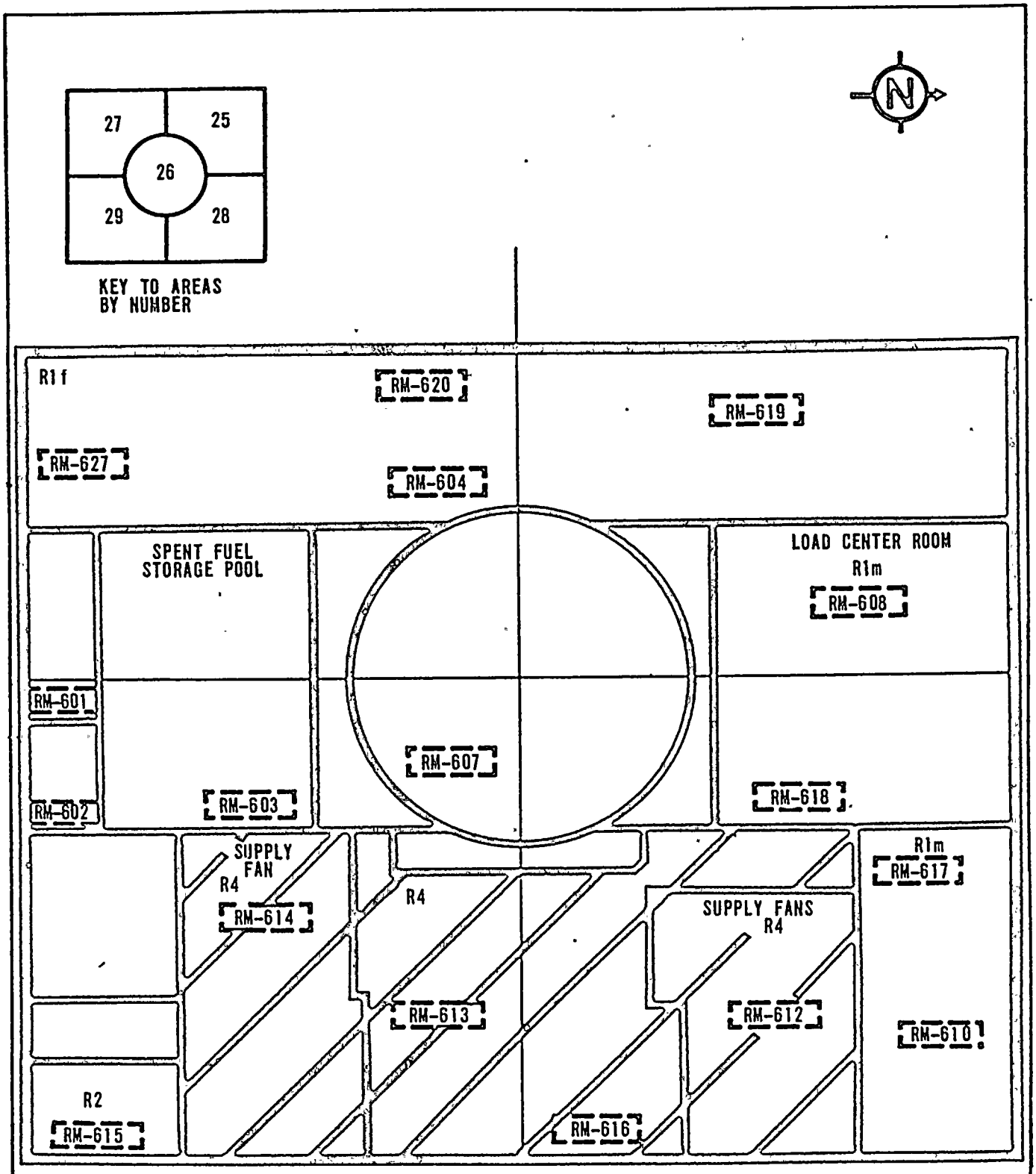


NOTE:

1. DESIGNATIONS SUCH AS R1m AND R2 IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6.
2. CROSS-HATCHED AREAS ARE NOT HARSH.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 REACTOR BUILDING EL. 779'-1''

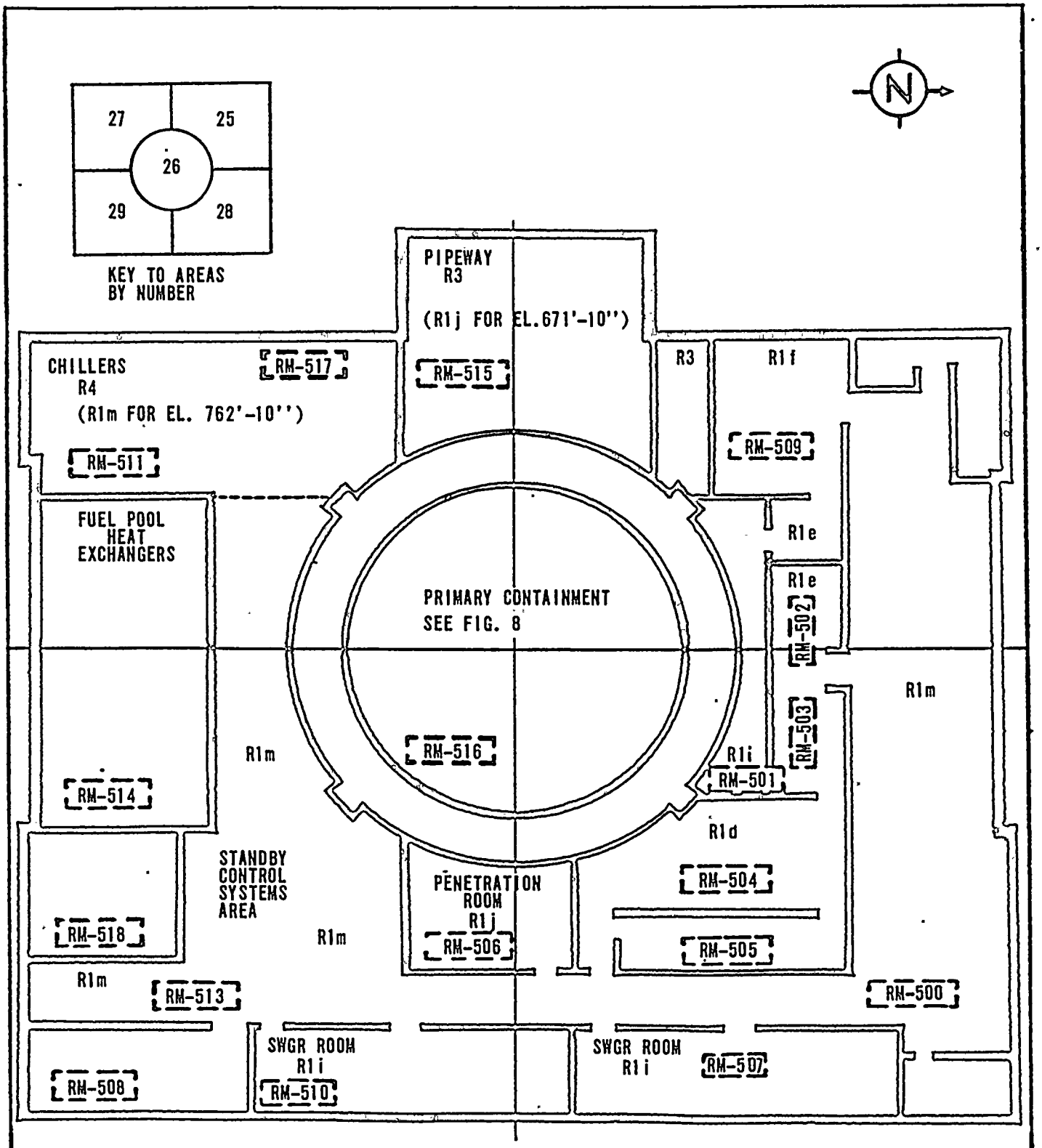


NOTE:

1. DESIGNATIONS SUCH AS R1m AND R2 IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6.
2. CROSS-HATCHED AREAS ARE NOT HARSH.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 REACTOR BUILDING EL. 779'-1''

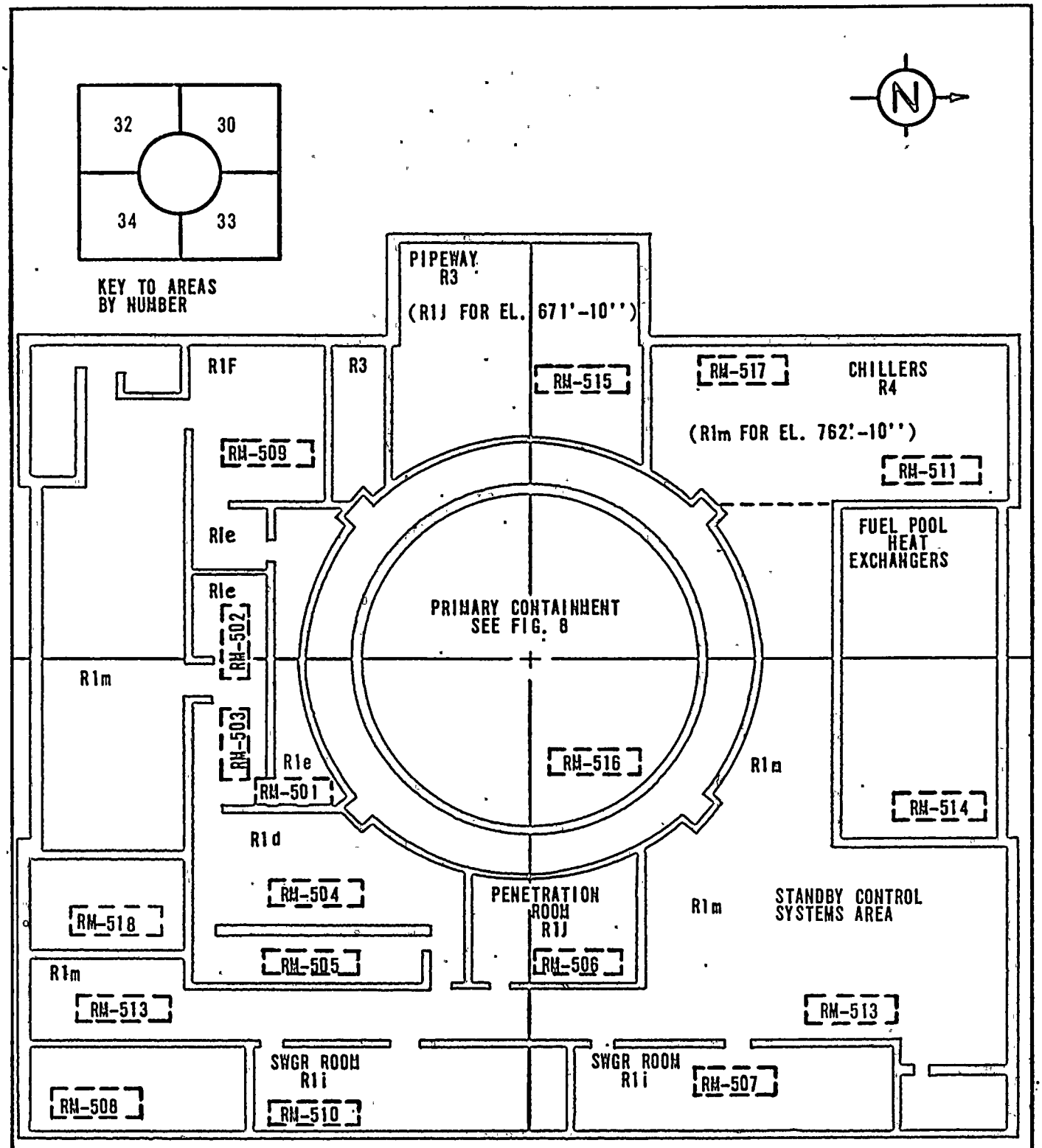


NOTE:

1. DESIGNATIONS SUCH AS R1m AND Ri IDENTIFY ENVIRONMENTAL AREAS AS SHOWN ON FSAR TABLE 3.11-6.

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

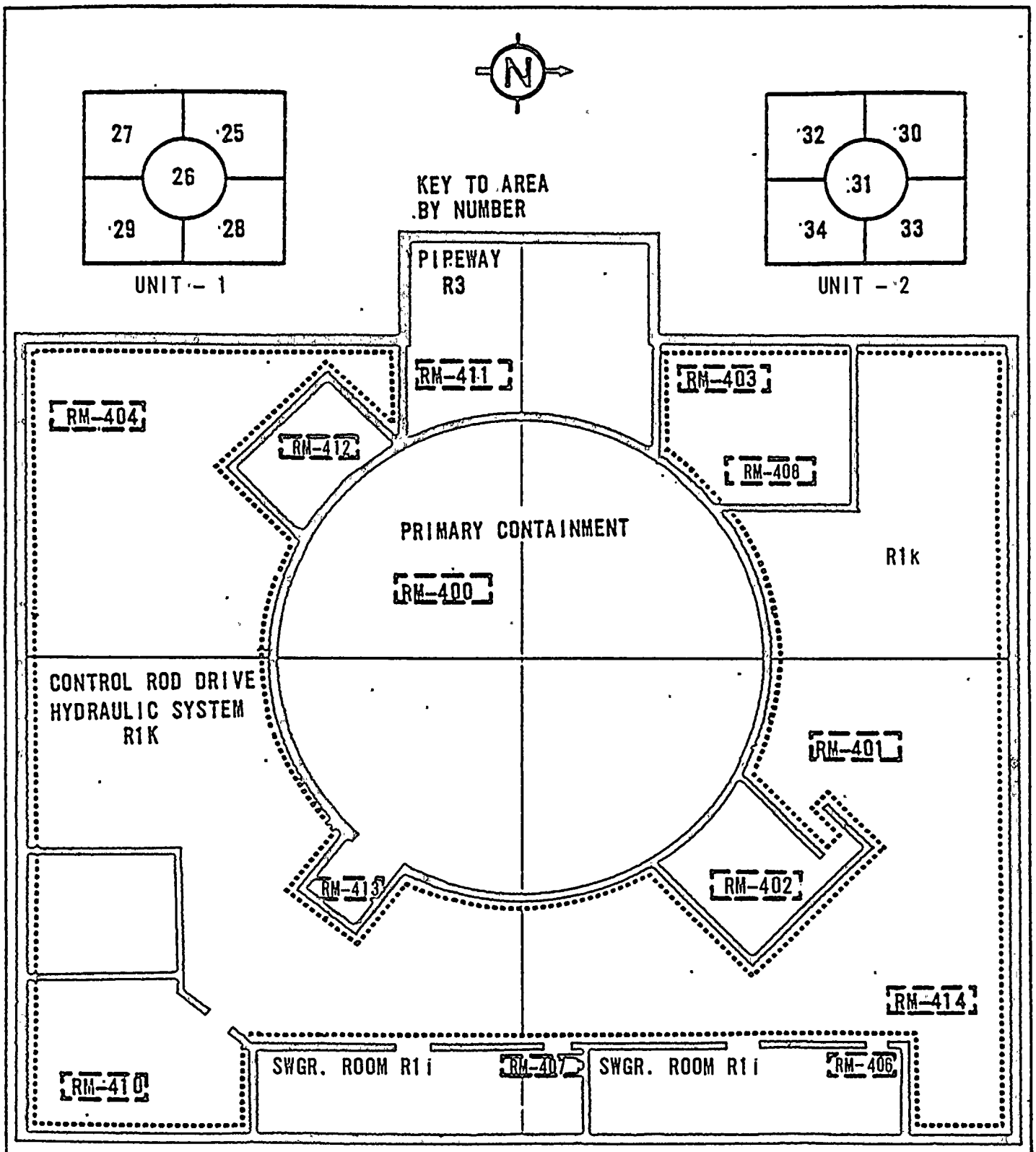
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 REACTOR BUILDING EL. 749'-1"



NOTE:
1. DESIGNATIONS SUCH AS RLM AND Ri IDENTIFY ENVIRONMENTAL AREAS AS SHOWN ON FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

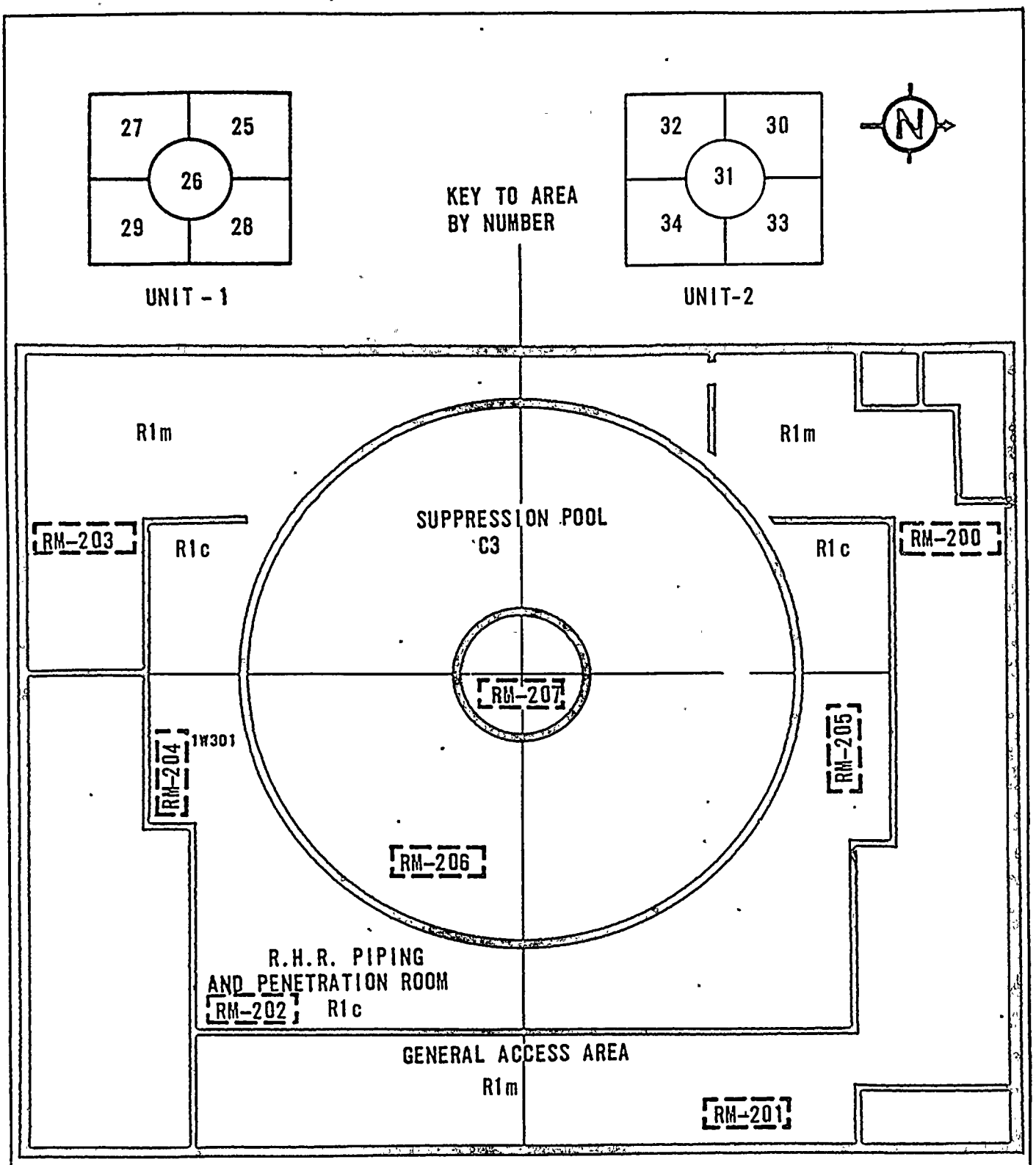
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 REACTOR BUILDING EL. 749'-1''



NOTE:
1. DESIGNATIONS SUCH AS R1K AND R1I IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6
2. AREA INSIDE DOTTED LINE IS R1K

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 & 2 REACTOR BUILDING EL. 719'-0''

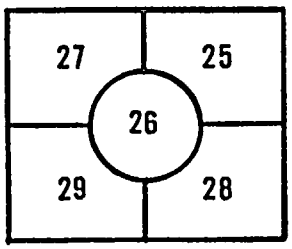


NOTE

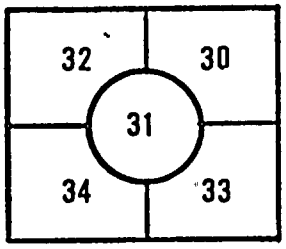
1. DESIGNATIONS SUCH AS R1C AND R1M IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

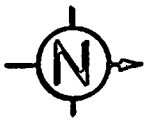
EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 1 — REACTOR BUILDING EL. 683'-0"



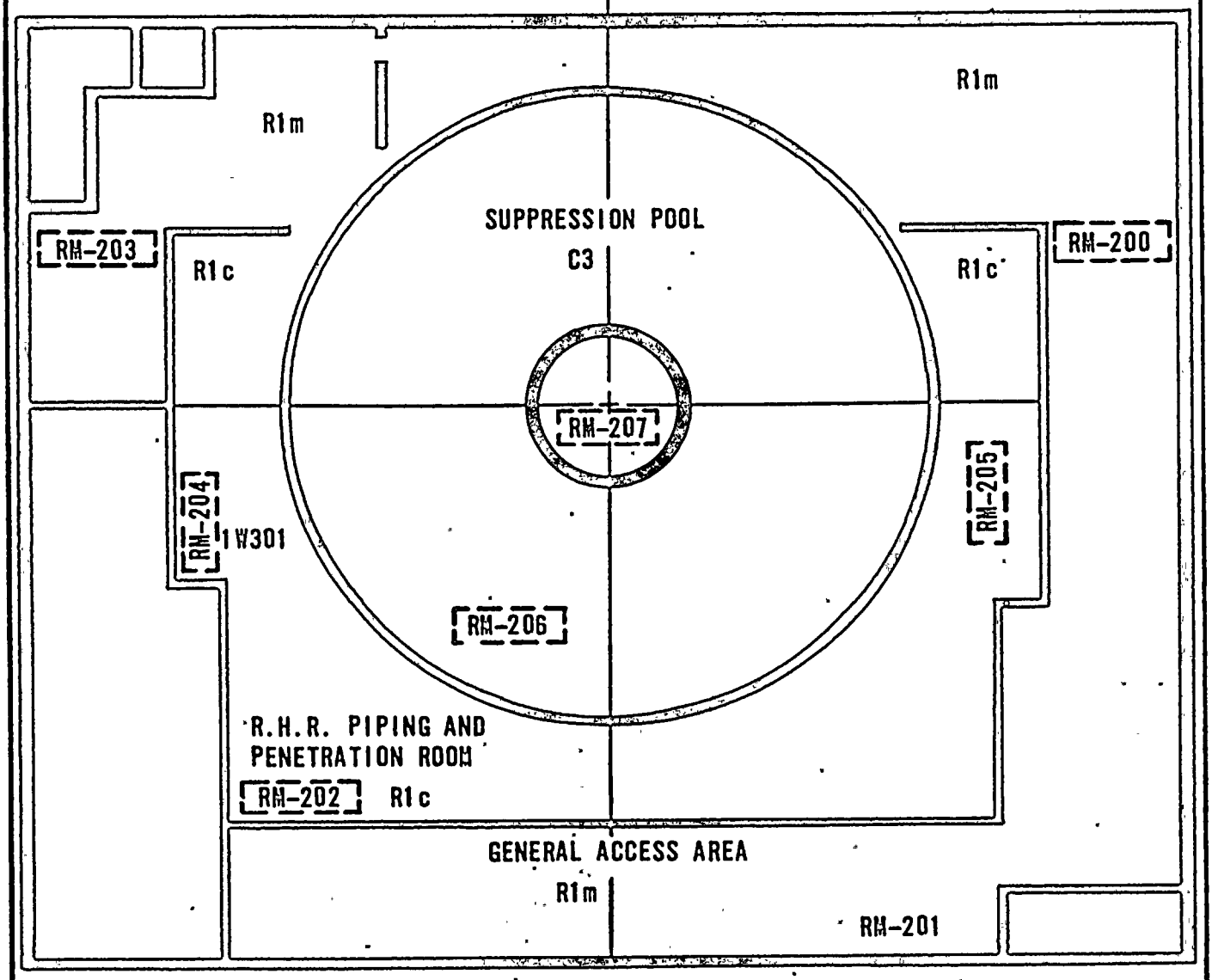
UNIT - 1



UNIT - 2



KEY TO AREA BY NUMBER



NOTE

1. DESIGNATIONS SUCH AS R1c AND R1m IDENTIFY ENVIRONMENTAL AREAS AS SHOWN IN FSAR TABLE 3.11-6

SUSQUEHANNA STEAM ELECTRIC STATION
UNITS 1 & 2
PENNSYLVANIA POWER & LIGHT COMPANY

EQUIPMENT QUALIFICATION
HARSH ENVIRONMENT ZONING
UNIT 2 REACTOR BUILDING EL 683'-0''

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA	KEY (10)	NORMAL OPERATING CONDITIONS					MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM				
		PRESSURE	TEMP °F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE (RAD)	PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR. DOSE (RADS)(4) (16) (17)
Primary Containment Drywell, No. RPV Shield	C2	.1 psig to 1.5 psig	150/90 Note 18	90/20	Gamma $6.5X10^4$ Neutron $6.3X10^7$ (2)	$1.8X10^{10}$ $6.4X10^{16}$	See Notes (1),(13) and (7)	See Notes (1),(13) and (7)	See Notes (1),(13) and (7)	$1.4X10^7$ NA	$1.8X10^{10}$ $6.4X10^{16}$
With Vessel Shield:											
Zone 1 Above Core	C2a	.1 psig to 1.5 psig	150/90 Note 18	90/20	Gamma 25 Neutron $5.0X10^4$ (2)	$7.0X10^6$ $5.0X10^{13}$	As Above As Above	As Above As Above	As Above As Above	$1.4X10^7$ NA	$3.3X10^7$ $5.0X10^{13}$
Zone 2 Core Region	C2b	.1 psig to 1.5 psig	150/90 Note 18	90/20	Gamma 50 Neutron $1.4X10^5$ (2)	$1.4X10^7$ $1.4X10^{14}$	As Above As Above	As Above As Above	As Above As Above	$1.4X10^7$ NA	$4.0X10^7$ $1.4X10^{14}$
Zone 3 Under Vessel	C2c	.1 psig to 1.5 psig	185/90 Notes 18 & 19	90/20	Gamma 12 Neutron 1 (2)	$3.4X10^6$ $<1.0X10^9$	As Above As Above	As Above As Above	As Above As Above	$1.4X10^7$ NA	$2.9X10^7$ $1.0X10^9$
Zone 4 Near Recirculation Pumps	C2d	.1 psig to 1.5 psig	135/90 Note 18	90/20	Gamma 25 Neutron $2X10^3$ (2)	$7.0X10^6$ $2.0X10^{12}$	As Above As Above	As Above As Above	As Above As Above	$1.4X10^7$ NA	$3.3X10^7$ $2.0X10^{12}$

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA	KEY (10)	NORMAL OPERATING CONDITIONS PRESSURE	TEMP°F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE. (RAD)	MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR. DOSE (RADS)(4) (16) (17)
Zone 5 15 ft. from Recirc Pumps	C2e	.1 psig to 1.5 psig	150/90 Note 18	90/20	Gamma 4 Neutron(2) $2X10^3$	$1.1X10^6$	As Above	As Above	As Above	$1.4X10^7$	$2.7X10^7$
						$2.0X10^{12}$	As Above	As Above	As Above	NA	$2.0X10^{12}$
Zone 6 Suppression Pool	C3	.1 psig to 1.5 psig	125/90	100/50	Gamma .1 Neutron(2) $2X10^2$	$3.5X10^4$	See Note (8)	See Note (8)	See Note (8)	$6.9X10^5$	$1.8X10^7$
						$2.0X10^{11}$				NA	$2.0X10^{11}$
Core Spray Pump Rooms	R1a	-.375" wg	104/60	90/10	.0025	$8.8X10^2$	-.25"wg	130	100/90 Note (15)	$1.1X10^5$	$1.9X10^6$
HPCI Pump Rooms & Penetration Room	R1b	-.375" wg	100/60	90/10	.0025	$8.8X10^2$	4.2 psig [-.25" wg]	300 for 60 sec [130](3)	100/90 Note (15)	$4.4X10^3$	$1.7X10^3$ (5)
RHR Piping & Penetration Room At El. 683	R1c	-.375" wg	115/60	90/10	.100	$3.5X10^4$	2.2 psig [-.25" wg]	300 for 60 sec [130](3)	100/90 Note (15)	$8.6X10^4$	$1.7X10^6$ (20)
RWCU System Heat Exchanger Room	R1d	-.375" wg	110/60	90/10	15	$5.3X10^6$	2.4 psig [-.25" wg]	135 for 40 sec [130](3)	100/90 Note (15)	$3.6X10^2$	$5.3X10^6$

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA	KEY (10)	NORMAL OPERATING CONDITIONS PRESSURE	TEMP°F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE (RAD)	MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR. DOSE (RADS)(4) (16) (17)
RWCU System Recirculation Pump Room & Penetration Area	R1e	-.375" wg	104/60	90/10	10	$3.5X10^6$	2.2 psig [-.25" wg]	212 for 40 sec [130](3)	100/90 Note (15)	$3.6X10^2$	$3.5X10^6$
RWCU System Filters Tanks & Pump Rooms	R1f	-.375" wg	104/60	90/10	10	$3.5X10^6$	-.25" wg	104(11)	100/90 Note (15)	$3.6X10^2$	$3.5X10^6$
Reactor Building Steam Tunnel	R3	-.375" wg	130/40	90/10	5	$1.8X10^6$	8.2 psig [-.25" wg]	300°F for 15 sec [130](3)	100	$1.1X10^5$	$3.7X10^6$
Refueling Floor	R5	-.25" wg	100/60	90/10	.0025	$8.8X10^2$	-.25" wg	104(9)	100/90 (Note (15)	$1.4X10^2$	$1.5X10^4$
RHR Pump Rooms	R1g	-.375" wg	104/60	90/10	.100	$3.5X10^4$	1.84 psig [-.25" wg]	296 for 60 sec [130](3)	100/90 Note (15)	$8.6X10^4$	$1.7X10^6$ (20)
RCIC Pump Room & Penetration Room	R1h	-.375" wg	104/60	90/10	.0025	$8.8X10^2$	0.6 psig [-.25" wg]	240 for 25 sec [130](3)	100/90 Note (15)	$6.9X10^3$	$2.9X10^3$ (5)
Remote Shutdown Panel Room	R1p	-.25" wg	100/60	90/10	.0025	$8.8X10^2$	-.30" wg	109	100	$2.7X10^1$	$2.9X10^3$

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA	KEY (10)	NORMAL OPERATING CONDITIONS PRESSURE	TEMP°F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE (RAD)	MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR. DOSE (RADS)(4) (16) (17)
Reactor Building General Access Areas	R1m	-.25" wg	100/60	90/10	.0025	$8.8X10^2$	-.25" wg	104	90	$1.4X10^2$	$1.5X10^4$
Standby Liquid Control Area	R1n	-.25" wg	100/60	90/10	.0025	$8.8X10^2$	-.25" wg	104	90	$1.4X10^2$	$1.5X10^4$
Emergency Switchgear	R1i	-.125" wg	104/70	90/10	.0025	$8.8X10^2$	-25" wg	104	90	$1.4X10^2$	$1.5X10^4$
Penetration Rooms Not Otherwise Noted	R1j	-.375" wg	110/60	90/10	.0025	$8.8X10^2$	-.25" wg	130	90	$1.4X10^2$	$1.5X10^4$
CRD Hydraulic Area	R1k	-.25" wg	100/60	90/10	.0025	$8.8X10^2$	-.25" wg	104	90	$1.4X10^2$	$1.5X10^4$
Return Air Plenun, Recirc System	R2	Atmos	104/40	90/10	.0025	$8.8X10^2$	-1.5" wg	104	90	$1.4X10^2$	$1.5X10^4$
Reactor Bldg. H&V Equipment Room	R4	-.25" wg	104/40	90/10	.0025	$8.8X10^2$	-.25" wg	104	90	$1.4X10^2$	$1.5X10^4$
SGTS Equipment Room Zone A	CS4	Atmos	104/40	100/10	.0025	$8.8X10^2$	Atmos	104	100	$1.2X10^0$	$1.5X10^3$
Control Room	CS1	+.125" wg	80/70	55/45	.0005	$1.8X10^2$	+.125" wg	80	55	<1.0	$1.8X10^2$
SGTS Equipment Room Zone B	CS6	Atmos	104/40	100/10	.0025	$8.8X10^2$	Atmos	104	100	$2.4X10^0$	$2.3X10^3$

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

		NORMAL OPERATING CONDITIONS					MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM				
AREA	KEY (10)	PRESSURE	TEMP°F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE (RAD)	PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR DOSE (RADS)(4) (16) (17)
SGTS Equipment Room Zone C	CS7	Atmos	104/40	100/10	.0025	$8.8X10^2$	Atmos	104	100	$1.4X10^2$	$1.0X10^5$
SGTS Equipment Room Zone D	CS8	Atmos	104/40	100/10	.0025	$8.8X10^2$	Atmos	104	100	$1.1X10^3$	$1.0X10^6$
SGTS Equipment Room Zone E	CS9	Atmos	104/40	100/10	.015	$5.3X10^3$	Atmos	104	100	$1.1X10^5$	$7.5X10^7$
Cable Spreading Rooms & HVAC Equipment Room, Relay Rooms Elect. Equip. Rooms	CS2	+.125" wg	80/60	60/10	.0005	$1.8X10^2$	+.125" wg	80	60	<1.0	$1.8X10^2$
Battery Room	CS5	+.125" wg	80/60	60/10	.0005	$1.8X10^2$	+.125" wg	80	60	<1.0	$1.8X10^2$
Computer Room	CS3	+.125" wg	85/65	60/40	.0005	$1.8X10^2$	+.125" wg	85	60	<1.0	$1.8X10^2$
Diesel Generator Rooms (14)	G	Atmos	104/72	90/5	.0005	$1.8X10^2$	Atmos	120	50	<1.0	$1.8x10^2$
ESW Pumphouse	SW	Atmos	104/40	100/5	.0005	$1.8X10^2$	Atmos	104	100	<1.0	$1.8X10^2$
UPS Rooms	CS3	+.125" wg	104/65	60/40	.0005	$1.0X10^2$	+.125" wg	104	60	<1.0	$1.8X10^2$
Turbine Building Operating Floor	T2a	Atmos	104	90/10	.0025	$8.8X10^2$	-.125" wg	104	90	≤1.0	$8.8x10^2$

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA	KEY (10)	NORMAL OPERATING CONDITIONS					MAXIMUM CONDITIONS WITH NUREG 0588 SOURCE TERM				
		PRESSURE	TEMP °F MAX/MIN	RELATIVE HUMIDITY MAX/MIN%	DOSE RATE (R/HR)(12)	INTEGRATED DOSE (RAD)	PRESSURE (6)	TEMP °F (6)	RELATIVE HUMIDITY % (6)	LOCA DOSE RATE (RADS/HR) (16) (17)	TOTAL INTEGR. DOSE (RADS)(4) (16) (17)
Turbine Building General Areas (Shielded)	T1	-.125" wg	104	90/10	.0025	$8.8X10^2$	-.125" wg	104	100	≤1.0	$8.8X10^2$
HP Turbine	T2b	-.125" wg	-	-	.5	$1.8X10^5$	-.125" wg	-	-	≤1.0	$1.8X10^5$
LP Turbine	T2c	-.125" wg	-	-	.1	$3.5X10^4$	-.125" wg	-	-	≤1.0	$3.5X10^4$
Feedwater Heaters Condensers	T3	-.125" wg	120	90/10	5	$1.8X10^6$	-.125" wg	120	100	≤1.0	$1.8X10^6$
Steam Jet Air Ejectors	T4	-.125" wg	120	90/10	15	$5.3X10^6$	-.125" wg	120	100	≤1.0	$5.3X10^6$
Condensate Treatment	T5	-.125" wg	120	90/10	10	$3.5X10^6$	-.125" wg	120	100	≤1.0	$3.5X10^6$

(1) Temperatures are for small line break; pressures are for recirculation line break. Temperatures for recirculation line break are lower.

(2) Units for neutron flux are nutrons cm^2-sec.

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

(3) Pipe break outside containment results in short term peak temperature and pressure shown, until the break is isolated within the time noted. Shown in brackets is the long term temperature and pressure in the area designated for pipe break outside containment. The conditions in brackets are also those in the area designated for the full duration of a pipe break outside containment. During the short term transient, capability to detect and isolate the pipe break and capability to shut down the reactor exists.

(4) Includes integrated accident and normal doses TID for 180 days. After 180 days, the TID is essentially saturated and will not increase significantly.

(5) Accident is control rod drop not LOCA.

(6) Pressure, temperature, and humidity maximums are not simultaneous. Above normal pressure, temperature and humidity are considered to persist for 100 days. After 100 days, the thermal environment will be equal to or less than the "maximum" given for normal operation.

(7)	a) 0-45 sec.	44 psig	340°F	100% R.H.
	b) 45 sec.-3 hrs.	35	340°F	100% R.H.
	c) 3 hrs.-6 hrs.	35	320°F	100% R.H.
	d) 6 hrs.-24 hrs.	20	250°F	100% R.H.
	e) 24 hrs.-100 days	10	200°F	100% R.H.
(8)	a) 0-45 sec.	29 psig	130°F	100% R.H.
	b) 45 sec.-3 hrs.	30	200°F	100% R.H.
	c) 3 hrs.-6 hrs.	30	210°F	100% R.H.
	d) 6 hrs.-30 hrs.	15	210°F	100% R.H.
	e) 30 hrs.-150 hrs.	10	200°F	100% R.H.
	f) 150 hrs.-100 days	10	140°F	100% R.H.

(9) Spent fuel pool boiling results in higher temperatures not exceeding 210°F.

(10) Key letter and number identifies a particular group of environmental parameters.

(11) Pipe breaks outside containment can result in higher temperatures and pressures in certain of these compartments, however, leak detection, isolation, and shutdown is accomplished from outside these compartments.

(12) If not otherwise noted, dose is Gamma.

TABLE 3.11-6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

(13) Minimum drywell pressure is -5 psig.

(14) For DG rooms: Normal operation means DG in Standby, maximum condition means DG operating.

(15) Relative Humidity Maximum: 100%, 1-12 Hours; 90%, 12 Hours to 100 days.

(16) Maximum Condition Dose rates and TIDs are maximum contact doses in each room, and specific equipment may be subject to a reduced dose based upon the appropriate attenuation factors. A gamma plate out dose of $3.6X10^6$ rads is included in the drywell gamma TID.

(17) For Beta Sensitive equipment only, the post-accident airborne Beta doses shown in this note must be ocrrected with appropriate attenuation factors and then added to the tabulated gamma doses to determine total TID.

Area	Max Beta Dose Rate (R/Hr)	Beta TID (RADS)
Drywell:		
Airborne	$9.2X10^7$	$7.4X10^8$
Plate out	$4.2X10^6$	$6.9X10^8$
Reactor Building	$1.9X10^3$	$4.3X10^5$
Control Building	2.0	$1.0X10^2$
Turbine Building and El. 806' of Control Bldg.	20.0	$1.0X10^3$

(18) Minimum temperature during shutdown may be less than 90°F. 90°F is not a specification minimum, but is typical. Ther is no controlled minimum temperature for these areas.

(19) Minimum temperature in Zone 3 during plant operation and during hot standby is 100°F.

(20) Accident source terms are the 50% halogens and 1% solids of the core inventory diluted by the reactor coolant system water plus the suppression pool water.

SECTION 4

The listings in Section 4 contain all of the equipment covered under both the environmental and dynamic qualification programs. The listings are separated into NSSS and BOP equipment lists and are sorted by system and MPL number for NSSS equipment, and by system and tag number for BOP equipment.

The headings for the various columns are self-explanatory. The system abbreviations are explained in Sections 4B and 4C. Abbreviations in other columns are explained below:

Qualification required:

E-1 - environmental qualification to NUREG 0588 Cat. I (includes dynamic qualification where applicable)

E-2 - environmental qualification to NUREG 0588 Cat. II

D - dynamically qualification

* - indicates the qualification is not yet complete

Package:

N-no. - indicates the EQEL number for NSSS equipment

B-no. - indicates the EQDF number for BOP equipment

M,C,P - indicates the NSSS SQRT binder for NSSS equipment. The BOP SQRT binder number is the same as the purchase order number.

Envir. Zone/Loc.

Contains the environmental zone and area for environmental qualification and the elevation for dynamic qualification.

gw/rpd52c:clf

Chapter 4

4A - Methods for Identifying Equipment

Equipment and systems covered under the environmental qualification program were selected from the safety related electrical equipment identified on SSES documents and listings. These documents include the Q-list, instrument index, master parts lists, electrical diagrams, piping and instrumentation diagrams, electrical device lists, etc. These documents were prepared through consideration of required functions of plant equipment during the design basic events as described in FSAR Chapter 15.

The list of equipment includes safety related electrical items which perform automatic actuation, are used by operators to perform manual functions, or failure of which would prevent completion of a safety function. Additional reviews of plant emergency operating procedures will be conducted to assure consistency.

Section 4B and 4C of this report contain listings of systems which employ Class 1E equipment. Sections 4D and 4E contain a BOP and NSSS equipment list by system for harsh environment items. The component listing in Sections 4F and 4G is by plant ID number in alphanumerical order. Note that Section 4E is also a listing by MPL number because NSSS MPL numbers are assigned by system.

BOP SYSTEM LIST

SYSTEM NAME	SYSTEM ABBREVIATION
CONTAINMENT ATMOSPHERE CONTROL	CAC
CONTAINMENT H_2 - O_2 ANALYZER	CHOA
CONTROL STRUCTURE HVAC	CSHVAC
CORE SPRAY	CS
EMERGENCY SERVICE WATER	ESW
FUEL POOL COOLING AND CLEAN-UP	FPCC
GENERAL USE ELECTRICAL	GUE
HIGH PRESSURE COOLANT INJECTION	HPCI
HVAC EQUIPMENT DRAINAGE SYSTEM	HVACEDS
INSTRUMENT GAS	IG
LIQUID RADWASTE	LR
LOCAL CONTROL PANELS (MULTISYSTEM)	LCPM
MSIV LEAKAGE CONTROL	MSIVLC
NUCLEAR BOILER SYSTEM	NBS
NUCLEAR BOILER VESSEL INSTRUMENTATION	NBVI
REACTOR BUILDING CHILLED WATER	RBCW
REACTOR BUILDING CLOSED COOLING WATER	RBCCW
REACTOR BUILDING HVAC	RBHVAC
REACTOR CORE ISOLATION COOLING	RCIC
REACTOR WATER CLEANUP SYSTEM	RWCU
REACTOR RECIRCULATION	RR
RESIDUAL HEAT REMOVAL	RHR
RHR SERVICE WATER	RHRSW
STANDBY AC POWER	SBACP
STANDBY DC POWER	SBDCP
STANDBY GAS TREATMENT	SBGT
STANDBY LIQUID CONTROL	SBLC
SUPPRESSION POOL FILTER	SPF
SAMPLING SYSTEM	SS
THREE MILE ISLAND	TMI
TRANSIENT MONITORING	TM
CONTAINMENT ISOLATION (VARIOUS SYSTEMS)	CI

NSS SYSTEM LIST

SYSTEM NAME	MPL NUMBER	SYSTEM ABBREVIATION
AUTOMATIC DEPRESSURIZATION SYSTEM (PART OF NBS)	B21	ADS
CONTROL ROD	C12	CRD
CORE SPRAY	E21	CS
FEEDWATER CONTROL	C32	FC
HIGH PRESSURE COOLANT INJECTION	E41	HPCI
MAIN STEAM (PART OF NBS)	B21	MS
MSIV LEAKAGE CONTROL	E32	MSIV LC
NUCLEAR BOILER SYSTEM	B21	NBS
NEUTRON MONITORING	C51	NM
PROCESS RADIATION	D12	PR
REACTOR CORE ISOLATION COOLING	E51	RCIC
REACTOR PROTECTION	C72	RPS
REACTOR RECIRC	B31	RR
REACTOR WATER CLEANUP SYSTEM	G33	RWCU
RESIDUAL HEAT REMOVAL	E11	RHR
STANDBY LIQUID CONTROL	C41	SBLC
REFUELING SYSTEM EQUIPMENT	F18, F19, F20, F21, F22	RSE
CONTROL ROOM PANELS	H12	*
LOCAL CONTROL PANELS	H23	*

* For these panels, the abbreviation under "system" in the listings is the primary function of the equipment as related to one of the other systems.

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
	M164		CRD VENT VLV PLAT	NISCO	N/A	D	N/A	R,719'
HD -17508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
OC-301	J05B		LIQ RADWASTE PANEL			D		
OC-323	J05B		SOLID RADWASTE PANEL			D		
OC-577A	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577B	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577C	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577D	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-578	J03C		SHELVES	BAILEY	762040AAAN1	D		704
OC-579	J03C		SHELVES	BAILEY	762040AAAN1	D		704
OC-876A	J03C		SHELVES	BAILEY	762030AAAN1	D		806
OC-876A	J03C		RACK UNITS	BAILEY	761000AAAN1	D		806
OC-876B	J03C		RACK UNITS	BAILEY	761000AAAN1	D		806
OC-876B	J03C		SHELVES	BAILEY	762030AAAN1	D		806
OC-877A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		783
OC-877A	J03C		SHELVES	BAILEY	762070AAAN1	D		783
OC-877A	J03C		RACK UNITS	BAILEY	761000AAAN1	D		783
OC-877B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		783
OC-877B	J03C		SHELVES	BAILEY	762070AAAN1	D		783
OC-877B	J03C		RACK UNITS	BAILEY	761000AAAN1	D		783
OCB876A	J05	HVAC	COMPONENT BOXES	COMSIP	CUSTOM LINE	D		783
OCB876B	J05	HVAC	COMPONENT BOXES	COMSIP	CUSTOM LINE	D		783
OC681	J05	HVAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OC693	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OC697	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OT-109A	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,806'
OT-109B	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,806'
OT-113A	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,783'
OT-113B	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,783'
PT-01107A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		685
PT-01107B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		685
PT-01109A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
PT-01109B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
PT-12643	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-12648	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		719
PT-14262	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		749
PT-15701A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15701B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15702	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15706	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15710A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15710B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15728A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15728B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-22643	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-22648	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
PT-24262	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-25706	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25728B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-28788A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
PT-28788B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
OC577A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
OC577B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
OC577C	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
OC577D	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
OC578	J03C		SIGNAL RESIST UNITS	BAILEY	7661003AAN2	D		704
OC578	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		704'
OC579	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		704
OC579	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		704'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
0C681	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		729
0C876A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		806
0C876B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		806'
0C877A	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		783'
0C877B	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		783'
0P-514A	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514B	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514C	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514D	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
012030	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
012032	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
012033	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
1C-201	J03C		SHELVES	BAILEY	762070AAAN1	D		670'
1C-661A1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		754'
1C-661A1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		754'
1C-661B1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		698'
1C-661B1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		698
1C-674	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C-675	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C-693	J03C		SHELVES	BAILEY	762010AAAN1	D		729
1C-693	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		729
1C201	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		670
1C601	J03C		SHELVES	BAILEY	762030AAAN1	D		729
1C601	J03C		SHELVES	BAILEY	762020AAAN1	D		729
1C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAN2WCC	D		754'
1C661A1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		754'
1C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		754
1C661A1	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661A2	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661A3	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661B1	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		698'
1C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAN2WCC	D		698'
1C661B1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		698'
1C661B2	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C661B3	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C681	J05	HVAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
1C690A	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
1C690B	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
1C693	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		729'
1C693	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
1C693	J03C		SHELVES	BAILEY	762020AAAN1	D		729
1C693	J03C		SHELVES	BAILEY	762040AAAN1	D		729
1C694	J05		CONTROL PANEL	COMSIP	CUSTOM LINE	D		749
1H-213	M22		U 1 RX BLDG CRANE	HARNISCHFEGER P&H	NONE	D		R,850'
2C-201	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		670
2C-201	J03C		RACK UNITS	BAILEY	761000AAAN1	D		670
2C-661A1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		754
2C-661A1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		754
2C-661B1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		698
2C-661B1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		698
2C-693	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		729
2C201	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		670
2C201	J03C		SHELVES	BAILEY	762030AAAN1	D		670
2C201	J03C		SHELVES	BAILEY	762070AAAN1	D		670
2C601	J03C		SHELVES	BAILEY	762020AAAN1	D		729
2C601	J03C		SHELVES	BAILEY	762030AAAN1	D		729
2C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		754'
2C661A1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		754'
2C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		754'
2C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		698'
2C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		698'
2C661B1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		698'
2C690A	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2C690B	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
2C693	J03C		SHELVES	BAILEY	762010AAAN1	D		729
2C693	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		729'
2C693	J03C		SHELVES	BAILEY	762040AAAN1	D		729
2C693	J03C		SHELVES	BAILEY	762020AAAN1	D		729
HD -07543A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -07543B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -07801A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07801B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07802A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07802B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07821A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07821B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824A4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824A6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07831A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07831B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07833A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07833B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07871A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07872A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07872B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07873A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07873B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07889	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HD -17502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17530A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17530B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17531A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17531B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -17534F	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17538	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -17538A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HD -17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HD -27502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534D	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27534G	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534I	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27538A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HD -27538B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HDM-07543A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-07543B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-07801A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07801B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07802A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07802B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07821A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07821B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824A4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824A6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07831A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07831B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07833A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07833B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07871A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07872A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07872B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07873A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07873B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07889	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HDM-07890	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HDM-17502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17530A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HDM-17530B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17531A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17531B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17534F	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17538A1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-17538A2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-17538B1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17538B2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HDM-27502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27508A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27508B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534D	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27534G	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534I	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27538A1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-27538A2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-27538B1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27538B2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
OF-172B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
TE-08612A	J59	C.W.	RTD	ROSEMOUNT	88-13-25	D		806
TE-08612B	J59	C.W.	RTD	ROSEMOUNT	88-13-25	D		806
TV-08612A	J65B	C.W.	CONTROL VALVES	MASONEILAN	80-80386	D		783
TV-08612B	J65B	C.W.	CONTROL VALVE	MASONEILAN	80-80386	D		783
TV-08643A	J65B	C.W.	CONTROL VALVES	MASONEILAN	90-80386	D		783
TV-08643B	J65B	C.W.	CONTROL VALVE	MASONEILAN	90-80386	D		783
TV-08652A	J65B	C.W.	CONTROL VAL/NUC SERV	MASONEILAN	90-80386	D		783
TV-08652B	J65B	C.W.	CONT VALV/NUC SERV	MASONEILAN	90-80386	D		783
TV-08662A	J65B	C.W.	CONTROL VAL/NUC SERV	MASONEILAN	90-80386	D		783
TV-08662B	J65B	C.W.	CONT VALV/NUC SERV	MASONEILAN	90-80386	D		783
IV-414A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-414B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-415A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-415B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
IV-416A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-416B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
LI-15776B2	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670'
LT-15775A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15775B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15776A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15776B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-25775A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
LT-25775B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
LT-25776A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/32,645
LT-25776B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
PI-15728B	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
PSV-15704A1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704A2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704B1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704B2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704C1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704C2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704D1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704D2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704E1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704E2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704A1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704A2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704B1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704B2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704C1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704C2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704D1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704D2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704E1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704E2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PT-15702	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/27,683
PT-15709A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,719
PT-15709B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1C/28,719
PT-15710A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/27,719
PT-15710B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/28,719
PT-15728A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/27,683
PT-22643	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1M/33,749'
PT-25702	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1M/32,683
PT-25709A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1M/32,719
PT-25709B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1C/30,719
PT-25710A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25710B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25728A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25728A1	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
SV-15703	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-15704	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-15705	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/27,683
SV-15711	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1I/25,749
SV-15713	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/25,749
SV-15714	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/25,749
SV-15721	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15722	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15723	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15724	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15725	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15734A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/27,670
SV-15734B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/25,670
SV-15736A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-207	E-2,D	B-46	R1M/27,670
SV-15736B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/25,670
SV-15737	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,670
SV-15738	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,285
SV-15738	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/25,670

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-15740A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15740B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15742A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15742B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15744A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15744A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15744B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15745A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15745A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15745B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15746A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15746A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15747A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15747A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15747B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15748A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15748A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15748B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15750A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15750B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15752A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15752B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,28
SV-15768	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,28
SV-15768	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/28,719
SV-15774A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15774B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719'
SV-15776A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719'
SV-15776B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-207	E-2,D	B-46	R1K/28,719'
SV-15780A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/27,719'
SV-15780B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/28,719'
SV-15782A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/27,719'
SV-15782B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/28,719'CO
SV-25703	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25704	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25705	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25711	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1I/32,749
SV-25713	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/32,749
SV-25714	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/32,749
SV-25722	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,683
SV-25723	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,683
SV-25736A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/32,670
SV-25736B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-216	E-1*	B-46B	RLM/30,670
SV-25737	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-213	E-1*	B-46B	RLM/30,670
SV-25740A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25740B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/33,719
SV-25742A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25742B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25744A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-221	E-1*	B-46B	RLK/32,719
SV-25744B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-221	E-1*	B-46B	RLK/33,719
SV-25745A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25745B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25747A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25747B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25748A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25748B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25750A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25750B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25752A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25752B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-25767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-213	E-1*	B-46B	RLK/33,719
SV-25774A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25774B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719
SV-25776A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25776B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-216	E-1*	B-46B	RLK/30,719
SV-25780A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,683
SV-25780B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,683
SV-25782A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,683
SV-25782B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,683
TE-15703	J59	CAC	RTD	ROSEMOUNT	88-14-1	D		704
TE-15725	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C3/26,704
TE-15751	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15752	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15753	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15754	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15755	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15756	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15757	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15758	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15759	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15760	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15761	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15762	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15763	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15764	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15765	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15766	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15767	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15768	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15769	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15770	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15790A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2B/26,752'
TE-15790B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2B/26,752'
TE-15791A	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,806'
TE-15791B	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,806'
TE-15798B	J59	CAC	RTD	ROSEMOUNT	88-14-1	D		719
TE-15798B	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,704'
TE-15799A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2C/26,704
TE-15799B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2C/26,719
TE-25709A	J59C	CAC	RTD	CONAX	7349-10000-01	E-1	B-40B	C2B/31
TE-25725	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C3, 31
TE-25790A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2B, 31
TE-25790B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2B, 31
TE-25799A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2C, 31
TE-25799B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2C, 31
TI-15725B	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15751	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15752	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15790B2	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TT-15725B	J03C	CAC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	R1M/25,670
TT-15790B2	J03C	CAC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	R1M/25,670
XY-25755A1	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755A2	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755A3	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B1	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B2	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B3	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
ZS-15703	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-15704	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-15705	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/27,683
ZS-15711	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1I/25,749
ZS-15713	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/25,749
ZS-15714	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/25,749
ZS-15721	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
ZS-15722	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15723	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15724	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15725	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-25703	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,683
ZS-25704	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,683
ZS-25705	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/32,683
ZS-25711	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1I/32,749
ZS-25713	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/32,749
ZS-25714	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/32,749
ZS-25721	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25722	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25723	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25724	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25725	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
1C-690A	J17	CAC	PANEL,ANAL,H2/O2,REM	COMSIP-DELPHI	K-IV	D		CS,729'
1C-693	J27	CAC	CONTANMT HYD OXY ANL	COMSIP-DELPHI	K-IV	D		719
1CB218A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
1CB218B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
1CB220A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/27,719'
1CB220B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/27,683'
1C215A	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 27-
1C215A	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
1C215B	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 28-
1C215B	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
1C215C	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 27-
1C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
1C215D	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 25-
1C215D	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
1C226A	J17	CAC	PANEL, ANAL, H2/O2	COMSIP DELPHI	K-1V	E-2,D	B-35	R1K/27,719'
1C226A	J17	CAC	MTR, ANAL, H2/O2	COMSIP DELPHI	IYF882640AZONE	E-2,D	B-37	R1K/27
1C226A	J17	CAC	PUMP, ANAL, H2/O2	COMSIP DELPHI	11706	E-2,D	B-37	R1K/27
1C226B	J17	CAC	MTR, ANAL, H2/O2	COMSIP DELPHI	IYF882640AZONE	E-2,D	B-37	R1K/28,719'
1C226B	J17	CAC	PUMP, ANAL, H2/O2	COMSIP DELPHI	11706	E-2,D	B-37	R1K/28
1C226B	J17	CAC	PANEL, ANAL, H2/O2	COMSIP DELPHI	K-1V	E-2,D	B-35	R1K/28
1C690B	J17	CAC	PANEL,ANAL,H2/O2,REM	COMSIP-DELPHI	K-IV	D		CS, 729
1E440A	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,26,690'
1E440B	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,26,690'
1E440C	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,26,704'
1E440D	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,26,704'
2C-693	J27	CAC	CONTANMT HYD OXY ANL	COMSIP-DELPHI	K-IV	D		719
2CB218A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
2CB218B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
2CB220A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 32
2CB220B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 32
2C215A	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1M, 32
2C215A	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
2C215B	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
2C215B	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 33
2C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
2C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
2C215C	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 34
2C215D	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 30
2C226A	J17	CAC	PANEL, ANAL, H2/O2	COMSIP DELPHI	K-1V	E-2	B-37	R1K/32,719'
2C226A	J17	CAC	PUMP, ANAL, H2/O2	COMSIP DELPHI	11706	E-2	B-37	R1K/32
2C226A	J17	CAC	MTR, ANAL, H2/O2	COMSIP DELPHI	IYF882640AZONE	E-2	B-37	R1K/32
2C226B	J17	CAC	MTR, ANAL, H2/O2	COMSIP DELPHI	IYF882640AZONE	E-2	B-37	R1K/33,719'
2C226B	J17	CAC	PANEL, ANAL, H2/O2	COMSIP DELPHI	K-1V	E-2	B-37	R1K/33
2C226B	J17	CAC	PUMP, ANAL, H2/O2	COMSIP DELPHI	11706	E-2	B-37	R1K/33
2E440A	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,31,690'
2E440B	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,31,690'
2E440C	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,31,704'
2E440D	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,31,704'
FT-01109A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FT-01109B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01204A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01204B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01220A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01220B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-08612A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08612B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08623A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08623B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
LT-15312	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,779'
LT-15775A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15775B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15776A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15776B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25312	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,779'
LT-25775A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25775B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25776A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25776B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
PT-01107A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RCSW
PT-01107B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RCSW
PT-12643	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-12648	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-14262	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-15701A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15701B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15702	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15706	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15710A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-15710B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-15728A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-22643	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-22648	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-24262	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-25701A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25701B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25702	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25706	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25710A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25710B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25728A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25728B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-28788A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-28788B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-728B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
OV-103A	M309	CB HV	AIR HANDLING UNITS	CARRIER	39ED75	D	N/A	CS,783'
OV-103B	M309	CB HV	AIR HANDLING UNITS	CARRIER	39ED75	D	N/A	CS,783'
OV-115A	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
OV-115B	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
OV-117A	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
OV-117B	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
OV-101A	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-9-3-HF/SP	D	N/A	CS,806'
OV-101B	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-9-3 HF/SP	D	N/A	CS,806'
OV-116A	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-19-2 HF/SP	D	N/A	CS,783'
OV-116B	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-19-2 HF/SP	D	N/A	CS,783'
OK-112A	M310	CBCH20	CENT. WTR CHILLERS	CARRIER	19FA 461-114-14	D	N/A	CS,806'
OK-112B	M310	CBCH20	CENT. WTR CHILLERS	CARRIER	19FA 461-114-14	D	N/A	CS,806'
HV-18782A1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719
HV-18782A2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18782B1	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18782B2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18792A1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719
HV-18792A2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18792B1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-18792B2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
FO-14101	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14106A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14241	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		806
FO-14243A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-14243B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-14245A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14245B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14247A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14247B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14251A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14255	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14259A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14261	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14314A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14318A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14318B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FO-14401	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-15109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15204A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-15204B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-15555A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24101	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24106A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24107D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24241	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		806
FO-24243A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24243B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24245A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24245B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24247A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24247B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24251A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24255	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24259A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FO-24259R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24314A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314A3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314A4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24318A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24318B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24401	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
FO-24909D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
FO-25109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25204A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-25204B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-25261	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25555A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
XV-13910B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910K	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-1411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-1411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-14201	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-14411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-14411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15110A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15516	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		670
XV-15517	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15709A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15709B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15710B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15728A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15728B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15775A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15775B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV-15776	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		670
XV-15777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15778A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15778B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-23910B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910K	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24201	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-25109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25110A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25701A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25709A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25709B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25710B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25728A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25728B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F009	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-1F070A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F071A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F009	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-2F041	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-2F070A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F041	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F043A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV42-1F043B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F045A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F045B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F047A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F047B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F051A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F055	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F057	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F061	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F003B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F004A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F004B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F043A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F043B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F045A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F045B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F047A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F047B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F051A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F055	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F057	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV42-2F059S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F061	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F003A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F003B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F004A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F004B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F017A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F017B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F040A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F057A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F057B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F003A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F017A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-2F017B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-2F040A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F057A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F057B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV44-1F046	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV44-2F046	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-2F044A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV49-2F044B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV51-15109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-15109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-25109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-25109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV52-1F018A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-1F018B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-2F018A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-2F018B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV55-1F024A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25516	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25517	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25775A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25775B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25776	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25778A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25778B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
TT-07821A	J03C	CMPTR RM	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07821B	J03C	CMPTR RM	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TIC-07821A	J03C	COMP RM	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07821B	J03C	COMP RM	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TSH-07821A	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07821B	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07831A	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07831B	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-15790A2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-15790B2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-25790A2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		741'
TSH-25790B2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
AR-15746A	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-15746B	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-25746A	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-25746B	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TI-25751	J03C	CONT HYDGN	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
TI-25752	J03C	CONT HYDGN	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
LY-15776A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
LY-25776B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
PI-25728A	J03C	CONT PRSS	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
PR-15710A	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-15710B	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-25710A	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-25710B	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PY-15710A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-15710B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-25710A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
PY-25710B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-15790A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
TY-15790B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-15799A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
TY-15799B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-25790A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
TY-25790B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-25799A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
TY-25799B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
RR-15720A	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-15720B	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
RR-25720A	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-25720B	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
TI-25790A2	J03C	CONT TEMP	INDICATORS W/CABLES	BAILEY	775121ABBM2	D		670'
TR-15790A1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-15790B1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-25790A1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-25790B1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TT-15790A	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		754'
TT-15790B	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-25790A	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		741'
TT-25790A2	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		670'
TT-25790B	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
HV-15703	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15703	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15704	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15704	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15713	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-15713	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-15714	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-15714	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-15721	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	6"521C-SR60-M3	D	M	683
HV-15721	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15722	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15722	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15723	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15723	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15724	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	18"T-312-SR3-M3	D	M	683
HV-15724	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15725	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15725	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25703	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25703	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25704	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25704	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25713	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"-T-416-SR3-M3	D	M	749
HV-25713	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-25714	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-25714	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-25721	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	6"521C-SR60-M3	D	M	683
HV-25721	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25722	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25722	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25723	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25723	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25724	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	18"T-312-SR3-M3	D	M	683
HV-25724	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25725	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25725	P31	CP	AIR OPERATED	BETTIS		D	M	683
1C-227A	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
1C-227B	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
1C-693	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		729
2C-227A	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
2C-693	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		729
2C227B	J27	CR	RCPB LEAK DETEC SYS	NUCLEAR MSRMNTS	NONE	D		719
HV-1F001A	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
HV-1F002B	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R719
HV-1F002B	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R719
HV-0F009A	P16A	CRWS	GEAR OPERATOR	MATRYX	8226 PXMOD. A	D		R,670'
HV-0F009A	P16A	CRWS	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" P16A-HCB-001	D		R,670'
HV-0F009B	P16A	CRWS	GEAR OPERATOR	MATRYX	8226 PXMOD. A	D		R,670'
HV-0F009B	P16A	CRWS	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" 8865-P16-AC14	D		R,670'
HV-108027	P12B	CRWS	GATE VLVS, GEAR	PACIFIC	150#	D		R656
HV-208023	P12B	CRWS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
FI-08612A	J03C	CS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FI-08612B	J03C	CS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FSHL-08612A	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08612B	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08623A	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08623B	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
HV-1F001A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 27
HV-1F001B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 25
HV-1F002A	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F002B	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F004A	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3, 27
HV-1F004A	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-1F004A	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F004B	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3, 25
HV-1F004B	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-1F004B	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F005A	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F005A	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-1F005A	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3/27,749
HV-1F005B	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3/25,749
HV-1F005B	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-1F005B	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F006A	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-1F006B	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-1F007A	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F007B	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F031A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M, 27
HV-1F031A	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO-V	D		R,670'
HV-1F031A	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-1F031B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M, 25
HV-1F031B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-1F031B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO	D		R,670'
HV-152021	P12B	CS	GATE VLVS, GEAR	PACIFIC	16" HCB-GO	D		R719
HV-152021	P18A	CS	GATE VLVS, GEAR	WALWORTH	150#	D		R645
HV-2F001A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 30,
HV-2F001B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 30,
HV-2F002A	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F002B	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F004A	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J, 30,
HV-2F004A	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-2F004A	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F004B	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-2F004B	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J, 30,
HV-2F004B	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F005A	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-2F005A	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J/30,761
HV-2F005A	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F005B	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J/30,761
HV-2F005B	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-2F005B	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F006A	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-2F006B	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-2F007A	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F007B	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F015A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C/30,683
HV-2F015A	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,683'
HV-2F015A	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	10" GBB-GB-MO-V	D		R,683'
HV-2F015B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C/30,683
HV-2F015B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	10" GBB-GB-MO	D		R,683'
HV-2F015B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,683'
HV-2F028B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO	D		R,704'
HV-2F028B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,704'
HV-2F031A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,670
HV-2F031B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,670
HV-2F031B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F031B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO	D		R,670'
HV-252021	P18A	CS	GATE VLVS, GEAR	WALWORTH	150#	D		R645
PSV-E21-1F012A	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	LCT-20	D	N/A	R,645'
PSV-E21-1F012B	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	LCT-20	D	N/A	R,645'
PSV-E21-1F032A	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E21-1F032B	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
SV-15203A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/26,761
SV-15203B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/26,761
SV-15206A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/26,761
SV-15206B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/26,761
SV-25203A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/31,761
SV-25203B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/31,761
SV-25206A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/31,761
SV-25206B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/31,761
TIC-07801A	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07801B	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802A1	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802A2	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802B1	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802B2	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07831A	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07831B	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TT-07831A	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07831B	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-08612A	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-08612B	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
ZS-15106A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15106B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15107A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15107B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15203A	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B/26,761
ZS-15203B	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B/26,761
ZS-25106A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25106B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25107A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25107B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25203A	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B, 31
ZS-25203B	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B, 31
OC-889A	M325	CS H&V	CS OUTSD AIR HI	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OC-889B	M325	CS H&V	CS OUTSD AIR HI	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OE-143A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OE-143B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-123A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-123B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-124A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-124B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-125A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-125B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-126A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-126B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
HV-108027	P12B	CS I	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R656
FI-08623A	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-08623B	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FSL-08621A	M320/M415	CSCW	SWITCH, FLOW	FLUID COMPONTS	SR8-75	E-2	B-29	CS4, 21
FSL-08621B	M320/M415	CSCW	SWITCH, FLOW	FLUID COMPONTS	SR8-75	E-2	B-29	CS4, 21
FY-08612A	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08612B	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08623A	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08623B	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
HV-08601A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08601B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08602A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08602B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08603A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-08603B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08613A	P16	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,783'
HV-08613A	P16	CSCW	BTTRFLY VLVS,MTR 150#	JAMESBURY	6" HBC-WBF-MO	D		R,783'
HV-08613B	P16	CSCW	BTTRFLY VLVS,MTR 150#	JAMESBURY	6" HBC-WBF-MO	D		R,783'
HV-08613B	P16	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,783'
HV08601A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV08601A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV08602A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV08602A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV08603A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV08603A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
LSH-08634A	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS4, 21,806'
LSH-08634B	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS9, 12,806'
LSL-08634A	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS4, 21,806'
LSL-08634B	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS9, 12,806'
OP-162A	M327	CSCW	CHILLED WATER PUMP	GOULDS PUMPS	3196 MT 4X6X10	D	N/A	CS,783'
OP-162B	M327	CSCW	CHILLED WATER PUMP	GOULDS PUMPS	3196 MT 4X6X10	D	N/A	CS,783'
OP-171A	M327	CSCW	COOLING WATER PUMP	GOULDS PUMPS	3196 MT 4X6X13	D	N/A	CS,783'
OP-171B	M327	CSCW	COOLING WATER PUMP	GOULDS PUMPS	3196 MT 4X6X13	D	N/A	CS,783'
PSV-08633A	M336	CSCW	CHILD WTR RELF VLVS	J.E. LONERGAN	LCT-20	D	N/A	CS,806'
TI-08621A	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
TI-08621B	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
TSH-08621A	J03C	CSCW	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		729'
TSH-08621B	J03C	CSCW	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		729'
TT-08621A	J03C	CSCW	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		729'
TT-08621B	J03C	CSCW	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		729'
TIC-08612A	J03C	CSCWS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-08612B	J03C	CSCWS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TDY-07811A	J03C	CSEOAS	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS6/21,806'
TDY-07811B	J03C	CSEOAS	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS6/21,806'
TT-07811A	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07811B	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07814A	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07814B	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
OC876A, SRU	J03C	CSEOAS	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
OC876B, SRU	J03C	CSEOAS	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS6/21,806'
TSH-07801A	J03C	CSHV	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07801B	J03C	CSHV	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TT-07801A	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07801B	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07802A	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07802B	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
FDM 07816A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS8/12
FDM 07816B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS8/12
FSL-07811A	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
FSL-07811B	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS6/21,806'
FSL-07841A	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS4, 21
FSL-07841B	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS4, 21
FSL-07842A	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS6, 21
FSL-07842B	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS6, 21
FT-07816A	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS8/12,806'
FT-07816B	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS8/12,806'
FY-07816A1	J03C	CSHVAC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07816B1	J03C	CSHVAC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS6, 21,806'
HDM-07812A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07812B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07813A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07813B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07814A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07814B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07841A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS4/21
HDM-07841B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS4/21
HDM-07842A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07842B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HDM-07882A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07882B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
NONE	J03C	CSHVAC	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/21
OC876A	M334/M412	CSHVAC	PANL, CONTR HVAC	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC876B	M334/M412	CSHVAC	PANL, CONTR HVAC	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC889A	M325/M407	CSHVAC	PANL, HEATER CONTROL	FARR	FARR (HOFFMAN)	E-2	B-31A	CS8/12
OC889B	M325/M407	CSHVAC	PANL, HEATER CONTROL	FARR	FARR (HOFFMAN)	E-2	B-31A	CS8/12
OE143A	M325/M407	CSHVAC	HEAT.COIL,VENT.FILT	FARR (CHROMALOX)	PCN #128549	E-2	B-31A	CS8/12
OE143B	M325/M407	CSHVAC	HEAT.COIL,VENT.FILT	FARR (CHROMALOX)	PCN #128549	E-2	B-31A	CS8/12
OK-112A	M310	CSHVAC	CHILLER,CENTRIFUGAL	CARRIER	19FA	E-2	B-27	CS4, 21
OK-112B	M310	CSHVAC	CHILLER,CENTRIFUGAL	CARRIER	19FA	E-2	B-27	CS4, 21
OV-101A	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	256T	E-2	B-26	CS8, 12
OV-101B	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	256T	E-2	B-26	CS8, 12
OV-118A	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	215T	E-2	B-26	CS6, 21
OV-118B	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	215T	E-2	B-26	CS6, 21
PDSH-07814A	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSH-07814B	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS6/21,806'
PDT-07814A	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*	B-29	CS8/12,806'
PDT-07814B	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*	B-29	CS8/12,806'
SV-07802B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
SV-07824A1	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		783
SV-07824A2	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A3	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A4	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,783
SV-07824A5	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A6	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B1	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		783
SV-07824B2	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B3	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B4	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,783
SV-07824B5	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B6	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07833A	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/21,806
SV-07833B	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/21,806
SV-07872B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
SV-07873B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
TDSHL-07811A	J03C	CSHVAC	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TDSHL-07811B	J03C	CSHVAC	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TE-07801A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07801B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07802A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07802B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07811A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07811B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07814A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07814B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07821A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07821B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07831A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07831B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-08621A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-13-25	E-2,D	B-40	CS4/21,806
TE-08621B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-13-25	E-2,D	B-40	CS4/21,806
TI-07811A	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07811B	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS6/21,806'
TI-07814A	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07814B	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS6/21,806'
TSH-07841A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSH-07841B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSH-07842A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSH-07842B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSL-07802A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QD 11A4	E-2,D	B-29	CS4, 21,806'
TSL-07802B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QD 11A4	E-2,D	B-29	CS4, 21,806'
TSL-07841A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSL-07841B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TSL-07842A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSL-07842B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
XISH-07802A	M320/M415	CSHVAC	DETECTR, CL GAS	WALLACE & TIER	50-125D	E-2,D	B-29	CS4, 21,806'
XISH-07802B	M320/M415	CSHVAC	DETECTR, CL GAS	WALLACE & TIER	50-125D	E-2,D	B-29	CS4, 21,806'
ZS-08301A	J65B	CSHVAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	CS4/12
ZS-08301B	J65B	CSHVAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	CS4/12
HV-012029	P12B	DG	GATE VLVS, GEAR	PACIFIC	3" HBC-GT-GO	D		SW678
NONE	M30CES	DG	THREE WAY VALVE	COOPER ENERGY	2-05V-396-001	D		G,679'
NONE	M30CES	DG	FUEL INJECTION NOZ	COOPER ENER SERV	10-328941-27	D		687
NONE	M30CES	DG	8" FLEX JOINTS	COOPER ENERGY	U-F4F	D		G,VARIABLE
NONE	M30CES	DG	AUX SKID ASSEMBLY	COOPER ENERGY	KSV-58-3	D		G,677'
NONE	M30CES	DG	D.C. MOTOR STARTER	COOPER ENERGY	2-03E-022-001	D		G,677'
NONE	M30CES	DG	TWO WAY VALVE	COOPER ENERGY	2-10C-016-001-	D		G,VARIABLE
NONE	M30CES	DG	L.O. RELIEF VALVE	COOPER ENERGY	2-01V-407-002	D		G,680'
NONE	M30CES	DG	TEMPERATURE SWITCH	COOPER ENERGY	2-04S-031-D10	D		G,680'
NONE	M30CES	DG	EXH SILNCR-EMER DG	COOPER ENER SERV	M-41	D		710
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-006	D		G,677'
NONE	M30CES	DG	TURBCHRGR LUBE FLTR	COOPER ENERGY	18431-BDX2-20-3/4SD	D		G,680'
NONE	M30CES	DG	6" FLEX JOINTS	COOPER ENERGY	R-F4F	D		G,VARIABLE
NONE	M30CES	DG	START AIR COMPRSSR	COOPER ENERGY	KSV-48-9	D		G,680'
NONE	M30CES	DG	INTERCOOLERS	COOPER ENERGY	SL-8416	D		G,678'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	2-06C-468-001	D		G,678'
NONE	M30CES	DG	JACKET WTR HTR EXCH	COOPER ENERGY	115114 CPK	D		G,678'
NONE	M30CES	DG	INTAKE FILTER SILNC	COOPER ENER SERV	NONE	D		701
NONE	M30CES	DG	MAIN ENGINE STRUCT	COOPER ENERGY	KSV-167	D		G,677'
NONE	M30CES	DG	DIF TEMP SWITCH	COOPER ENERGY	2-04S-031-012	D		G,680'
NONE	M30CES	DG	LUBE OIL HEATER	COOPER ENERGY	NWH-3152XX	D		G,679'
NONE	M30CES	DG	INTK & EXHST EXPAN	COOPER ENERGY	30"-U-F6V-L	D		G,677'
NONE	M30CES	DG	SHUTTLE VALVES	COOPER ENERGY	GD9-4540-9	D		G,677'
NONE	M30CES	DG	DIAPHRAGM VALVE	COOPER ENERGY	2-01V-426-001	D		G,682'
NONE	M30CES	DG	6" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	SHUTTLE SWITCH	COOPER ENERGY	2-01V-077-002	D		G,677'
NONE	M30CES	DG	STANDBY LO PUMP	COOPER ENERGY	N/A	D		G,679'
NONE	M30CES	DG	LEVEL SWITCHES	COOPER ENERGY	2-04S-182-016,017	D		G,683'
NONE	M30CES	DG	ENG DR LO PUMP	COOPER ENERGY	ROPER PUMP 20040	D		G,682'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	18429-BDX2-10-3/4SD	D		G,678'
NONE	M30CES	DG	ENGN DRVN WTR PUMP	COOPER ENERGY	6X5X11NR C16	D		G,677'
NONE	M30CES	DG	LUBE OIL HEATER	COOPER ENERGY	NWH0-3901XX	D		G,679'
NONE	M30CES	DG	SOLENOID VALVES	COOPER ENERGY	2-04S-399-002	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-26-1-5(3)	D		G,VARIABLE
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-108-2	D		G,687'
NONE	M30CES	DG	LO STRAINER	COOPER ENERGY	6" SINLEU BASKET STRNR	D		G,679'
NONE	M30CES	DG	CHOKE CHECK VALVE	COOPER ENERGY	W60-A-8#1	D		G,677'
NONE	M30CES	DG	PRELUBE PUMP & MTR	COOPER ENERGY	D.I. GEAREX	D		G,682'
NONE	M30CES	DG	LEVEL SWITCHES	COOPER ENERGY	2-04S-386-001	D		G,683'
NONE	M30CES	DG	FUEL OIL TANK	COOPER ENER SERV	2-07V-263-001	D		678
NONE	M30CES	DG	FL OIL & LUBE PIPE	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	18" MANIFOLD EXP JT	COOPER ENERGY	2-05P-096-001	D		G,684'
NONE	M30CES	DG	RATIO RELAY	COOPER ENERGY	2-04C-094-003	D		G,677'
NONE	M30CES	DG	3" FLEX JOINTS	COOPER ENERGY	R-F5F	D		G,VARIABLE
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-005-2	D		G,680'
NONE	M30CES	DG	COMPOSITE PIPING	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	COOLING WTR PIPE	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-008-1	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	KSV-87-7(44)	D		G,677'
NONE	M30CES	DG	EXCESS FL CK VLVE	COOPER ENERGY	2-01V-412-001	D		G,680'
NONE	M30CES	DG	HV CUB GEN CON PAN	COOPER ENERGY	3-E12-03-E-2	D		G,677'
NONE	M30CES	DG	LOWER LINER SEAL	COOPER ENER SERV	520-287-0001	D		687
NONE	M30CES	DG	3" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-399-001-1	D		G,680'
NONE	M30CES	DG	LO & JW THERMO VLVS	COOPER ENERGY	6 BOD THERMOSTATIC	D		G,679'
NONE	M30CES	DG	6" CHECK VALVE	COOPER ENERGY	CVIA	D		G,677'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-004	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-399-001-2	D		G,680'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
NONE	M30CES	DG	THREE WAY VALVE	COOPER ENERGY	2-05V-380-001	D		G,679'
NONE	M30CES	DG	3" CHECK VALVE	COOPER ENERGY	CVIA	D		G,677'
NONE	M30CES	DG	CONTROL VALVE	COOPER ENERGY	223-1-105	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-006	D		G,VARIABLE
NONE	M30CES	DG	50 MICRON FILTER	COOPER ENERGY	2-06C-136-101	D		G,679'
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-108-1	D		G,680'
NONE	M30CES	DG	BALL VALVE	COOPER ENERGY	2-01V-411-010	D		G,679'
NONE	M30CES	DG	5" EXPANSION JOINT	COOPER ENERGY	2-05P-097-001	D		G,685'
NONE	M30CES	DG	DIFF PRESS SWITCH	COOPER ENERGY	KSV-87-8(56)	D		G,677'
NONE	M30CES	DG	AIR COMPRSSR & BELT	COOPER ENERGY	B-352-SBT	D		G,680'
NONE	M30CES	DG	2" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	PRESSURE GAUGE	COOPER ENERGY	2-01J-709-069	D		G,680'
NONE	M30CES	DG	STANDBY JW PUMP	COOPER ENERGY	4221-507-159-999	D		G,680'
NONE	M30CES	DG	BALL VALVE	COOPER ENERGY	2-01V-411-004	D		G,679'
NONE	M30CES	DG	START AIR SRV	COOPER ENERGY	LCT-11	D		G,680'
NONE	M30CES	DG	10 MICRON FILTER	COOPER ENERGY	2-06C-161-103	D		G,678'
NONE	M30CES	DG	PRESSURE GAUGE	COOPER ENERGY	2-01J-709-068	D		G,680'
NONE	M30CES	DG	3" TT ENTMENT SEPT.	COOPER ENERGY	TYPE T (7494-11)	D		G,683'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-005-1	D		G,680'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	18430-BDX2-10-3/4D	D		G,678'
NONE	M30CES	DG	FUEL INJECTION PUMP	COOPER ENER SERV	10-73422-56	D		687
NONE	M30CES	DG	CIRCULTNG WTR PUMP	COOPER ENERGY	42-21-207.09-999	D		G,680'
NONE	M30CES	DG	AIR RECEIVER	COOPER ENERGY	2-07V-241-001	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-014	D		G,680'
NONE	M30CES	DG	DIESEL GEN RTR STR	COOPER ENERGY	(170)	D		G,677'
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-107	D		G,680'
NONE	M30CES	DG	OUTBOARD BEARING	COOPER ENERGY	693820-3	D		G,678'
NONE	M30CES	DG	TWO WAY VALVE	COOPER ENERGY	2-01V-044-001	D		G,VARIABLE
NONE	M30CES	DG	HV CUB GEN CON PAN	COOPER ENERGY	3-E12-03-E-2	D		G,677'
NONE	M30CES	DG	MICRO SWITCH	COOPER ENERGY	2-04S-378-001	D		G,VARIABLE
NONE	M30CES	DG	DIFF PRESS SWITCH	COOPER ENERGY	2-04S-385-001	D		G,677'
NONE	M30CES	DG	INTK & EXHST EXPAN	COOPER ENERGY	30"-U-F4V	D		G,677'
NONE	M30CES	DG	LUBE OIL HT EXCHNGR	COOPER ENER SERV	15108 CPK	D		678
NONE	M30CES	DG	OVERSPEED TRIP	COOPER ENERGY	UG8-LEVER TYPE	D		G,677'
NONE	M30CES	DG	MTR DRIVEN FO PUMP	COOPER ENERGY	GG-195D	D		G,680'
NONE	M30CES	DG	GOVERNOR ACTUATOR	COOPER ENERGY	EG-B10P	D		G,685'
NONE	M30CES	DG	OVERSPEED CONTROL	COOPER ENERGY	2-05C-063-002	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-008-2	D		G,680'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	2-06C-474-001	D		G,678'
NONE	M30CES	DG	TURBCHRGR LUBE FLTR	COOPER ENERGY	2-06C-474-002	D		G,680'
NONE	M30CES	DG	LO & JW THERMO VLVS	COOPER ENERGY	5 BOD THERMOSTATIC	D		G,679'
NONE	M30CES	DG	AIR START SYS PIPNG	COOPER ENERGY	N/A	D		G,677'
NONE	M30CES	DG	ENG DRV FUEL PUMP	COOPER ENERGY	17AM-08	D		G,682'
NONE	M30CES	DG	SOLENOID VALVES	COOPER ENERGY	2-05V-399-001	D		G,680'
OC-521A	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521B	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521C	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521D	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
TE-08271A	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271B	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271C	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271D	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TIC-08271A	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271B	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271C	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271D	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TT-08271A	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271B	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271C	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271D	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
XJ03428-A3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-B3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-C3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-D3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
OF-509A	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
OF-509B	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
OF-509C	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
OF-509D	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
OF-514A	M30CES	DG	AIR INTAKE SILENCER	COOPER ENERGY	N/A	D		G,677'
TSH-15799A2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		754'
TSH-15799B2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-25799A2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		741'
TSH-25799B2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TT-15799A	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-15799B	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-25799A	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		741'
TT-25799B	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
OT-527A	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527B	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527C	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527D	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
1D632	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D642	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D652	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
1D662	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
2D612	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D622	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D632	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D642	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D652	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
2D662	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
1V-222A	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
1V-222B	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
2V-222A	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
2V-222B	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
FR-07816A	J03C	EOA	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FR-07816B	J03C	EOA	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FIC-07816A	J03C	EOAS	CONTROLLERS	BAILEY	701002AAAN1	D		729'
FIC-07816B	J03C	EOAS	CONTROLLERS	BAILEY	701002AAAN1	D		729'
0B536	E118	EPD	MCC, 480V	CUTLER-HAMMER	MCC	D		DG,677'
0B546	E118	EPD	MCC, 480V	CUTLER-HAMMER	MCC	D		DG,677'
1C221	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,670'
1C222	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/25,683'
2C221	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
2C222	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 30
FE-012200A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FE-012200B	J31	ESW	ANNUBAR FLOW ELMNTS	DIETRICH STAND	ANF85	D		678
FE-01570A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FE-02812A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FT-01204A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01204B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01220A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01220B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
FT-08612A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08612B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08623A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08623B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FY-01109A1	J03C	ESW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		754'
FY-01109A2	J03C	ESW	ISOLATORS	BAILEY	740111AAAN2	D		754'
FY-01109B1	J03C	ESW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		754'
FY-01109B2	J03C	ESW	ISOLATORS	BAILEY	740111AAAN2	D		698'
HV-011005	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011005	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011006	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011006	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011007	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011007	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011008	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-01100B	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-01110A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-111102	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	14" HBC-BF-GO-V	D		R,645'
HV-111102	P16A	ESW	GEAR OPERATOR	MATRYX	P-16-AC 45	D		R,645'
HV-111103	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	14" HBC-BF-GO-V	D		R,645'
HV-111103	P16A	ESW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,645'
HV-11143A	P16A	ESW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 8226-PX-MOD. A	D		R,670'
HV-11143A	P16A	ESW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,670'
HV-11143B	P16A	ESW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,670'
HV-11143B	P16A	ESW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 853/642 SR60	D		R,670'
LT-15312	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		779
LT-15775A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15775B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15776A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15776B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25312	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		779
LT-25775A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25775B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25776A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25776B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
PT-25701A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25701B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25702	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25710A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25710B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25728A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
TE-07552A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		806
TE-08206A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206B	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206C	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206D	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-18201A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-18201B	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
ZS-11024A1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024A2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024B1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024B2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11143A	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,670
ZS-11143B	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,670
ZS-21024A1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21024A2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21024B1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/32,683
ZS-21024B2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21143A	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,670
ZS-21143B	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,670
0-11-041	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-042	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-043	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-044	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-045	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-046	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-047	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-048	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-049	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-050	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-051	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-052	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
1-11-127A	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
1-11-127B	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
1-11-127C	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
1-11-127D	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
TIC-08206A	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206B	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206C	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206D	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TT-08206A	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206B	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206C	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206D	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
HV-E-41F006	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-E-41F006	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-F011A	P11A	FC	MOTOR OPERATED	LIMITORQUE	SMB-4-150-0	D	M	752
HV-F011A	P11A	FC	GATE VALVE, MOTOR	ANCHOR DARLING	DLA-GT-MO-V	D	M	752
HV-F011B	P11A	FC	GATE VALVE, MOTOR	ANCHOR DARLING	DLA-GT-MO-V	D	M	752
HV-F011B	P11A	FC	MOTOR OPERATED	LIMITORQUE	SMB-4-150-0	D	M	752
HV-F032A	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-F032B	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-F032B	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0551B	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0551B	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0651A	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0651A	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0651C	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0651C	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-10569	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10569	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10570	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10570	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10603A	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10603A	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10603B	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-1	D	M	749
HV-10603B	P11A	FC	AIR OPERATED	SHEFFER	SAFX7CCY	D	M	749
HV-10603C	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-10603C	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-10640	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-10640	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-14107A	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-14107A	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-14107B	P11A	FC	AIR OPERATED	SHEFFER	SAFX7CCY	D	M	749
HV-14107B	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-1	D	M	749
LV-10641	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
LV-10641	P10B	FC	MOTOR OPERATED	LIMITORQUE	SM3-0-10-0	D	M	749
HV-153001	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-153021	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-253001	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-253021	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
NONE	M90	FPCC	FL PL SKMMR SRGE TNK	AMETEK	1/2" T-208			R,719'
1S-252	M192	FUEL PL	SPENT FUEL RACKS	PAR SYSTEMS	N/A	D	N/A	R,779'
2S-252	M192	FUEL PL	SPENT FUEL RACKS	PAR SYSTEMS	N/A	D	N/A	R,779'
B12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
C02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-14-600V	E-2	B-11	OUTSD CO
D11	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-10-600V	E-2	B-11	OUTSD CO
D12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
D13	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-10-600V	E-2	B-11	OUTSD CO
D14	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-10-600V	E-2	B-11	OUTSD CO
D21	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-2-600V	E-2	B-11	OUTSD CO
D22	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-2-600V	E-2	B-11	OUTSD CO
D23	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-2-600V	E-2	B-11	OUTSD CO
D42	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-4-600V	E-2	B-11	OUTSD CO
D61	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-6-600V	E-2	B-11	OUTSD CO
D62	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-6-600V	E-2	B-11	OUTSD CO
D63	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-6-600V	E-2	B-11	OUTSD CO
D81	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-8-600V	E-2	B-11	OUTSD CO
D82	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-8-600V	E-2	B-11	OUTSD CO
D83	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-8-600V	E-2	B-11	OUTSD CO
F04	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	#4/0 1/C AL	E-2	B-10	R1I, G,
F10	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	1000 KCMIL 1/C AL	E-2	B-10	R1I, G,
F50	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	500 KCMIL 1/C AL	E-2	B-10	R1I, G,
F61	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	6 AWG 1/C COPPER	E-2	B-10	R1I, G,
F75	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	750 KCMIL 1/C AL	E-2	B-10	R1I, G,
HSS-14901A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14902A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14902B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14903A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14903B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14904A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14905A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15110A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15111A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15111B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15112A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15112B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15113A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15113B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15114A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15114B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15115A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15115B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15116A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15116B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15117A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15117B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-24901A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24902A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24902B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24903A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24903B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24904A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24905A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25110A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25111A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HSS-25111B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25112A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25112B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25113A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25113B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25114A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25114B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25115A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25115B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25116A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25116B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25117A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25117B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
IC201A, SHELF	J03C	GUE	SHELF - 7 UNIT	BAILEY CONTRLS	762070AAAN1	E-1*	B-34	R1M, 25
IC201B, SHELF	J03C	GUE	SHELF - 7 UNIT	BAILEY CONTRLS	762070AAAN1	E-1*	B-34	R1M, 25
L02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-14-600V	E-2	B-11	OUTSD CO
L03	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-14-600V	E-2	B-11	OUTSD CO
L05	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	5/C-14-600V	E-2	B-11	OUTSD CO
L07	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
L12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	12/C-14-600V	E-2	B-11	OUTSD CO
L17	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
L17	E103A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
N07	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	7/C #16AWG	E-1	B-13	C2B
N09	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	9/C #16AWG	E-1	B-13	C2B
N12	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12/C #16AWG	E-1	B-13	C2B
OB136	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		CS,783
OB146	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		CS,783
OB516	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		DG,677
OB517	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		ESW,685
OB526	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		DG,677
OB527	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		ESW,685
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ABL620F125A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62HSX-07811A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62X-20310	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AF 62TDSHLX07811A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AD 62FSLX-07811A	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AD 62FSLX-07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62HSX-07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AF 62TDSHLX07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XZ-20410	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ABL620F125B	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XY-07553A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62ZSX-07553A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FX-07551A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62PDSL-07550A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AE 62TDSLX-07552A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FDX-07551A2	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62ZSX-07553B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62PDSL-07550B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FX-07551V	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XY-07553B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AE 62TDSLX-07552B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FDX-07551B2	E-2,D	B-20	CS4, 21,806'
Q01	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10567, REV. C&D	E-1	B-14	C2C
Q02	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10566, REV. A&C	E-1	B-14	C2C
Q03	E131BC	GUE	CBL, SPECLTY	RAYCHEM	7521D3330, REV. E	E-1	B-14	VAR. OUT
Q05	E131BC	GUE	CBL, SPECLTY	RAYCHEM	9324D1017, REV. B	E-1	B-14	VAR. OUT
Q06	E131BC	GUE	CBL, SPECLTY	RAYCHEM	9118D0331, REV. B	E-1	B-14	VAR. OUT
Q07	E131BC	GUE	CBL, SPECLTY	RAYCHEM	7523D1330, REV. D	E-1	B-14	VAR. OUT
Q08	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10568, REV. D	E-1	B-14	C2C
Q09	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10483, REV. D&H	E-1	B-14	C2C
Q11	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR CH-AL+11C#20AWG	E-1	B-13	C2B
Q12	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	48/C #20AWG	E-1	B-13	C2B
Q14	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
Q15	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3/C #20AWG	E-1	B-13	C2B
Q16	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	5/C #20AWG	E-1	B-13	C2B
Q17	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	9/C #20AWG	E-1	B-13	C2B
Q18	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12/C #20AWG	E-1	B-13	C2B
Q20	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	27/C #20AWG	E-1	B-13	C2B
Q22	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	14/C #16AWG	E-1	B-13	C2B
Q23	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	37C #16AWG	E-1	B-13	C2B
Q24	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
Q25	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	2 PR #16AWG	E-1	B-13	C2B
Q26	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3 PR #16AWG	E-1	B-13	C2B
Q27	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	7 PR #16AWG	E-1	B-13	C2B
Q28	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 TST #16AWG	E-1	B-13	C2B
Q29	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3 TST #16AWG	E-1	B-13	C2B
Q30	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1QUAD. #16AWG	E-1	B-13	C2B
Q31	E131BC	GUE	CBL, SPECLTY	RAYCHEM	5012G1339, REV. C	E-1	B-14	VAR. OUT
R04	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2411	E-1	B-12	VARIOUS
R35	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2471	E-1	B-12	VARIOUS
R50	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2531	E-1	B-12	VARIOUS
R75	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2431	E-1	B-12	VARIOUS
S02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-12-600V	E-2	B-11	OUTSD CO
S04	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12-600V	E-2	B-11	OUTSD CO
S05	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12-600V	E-2	B-11	OUTSD CO
S05	E103A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12 600V	E-2	B-11	OUTSD CO
S07	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-12-600V	E-2	B-11	OUTSD CO
S12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
S13	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-10-600V	E-2	B-11	OUTSD CO
S14	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-10-600V	E-2	B-11	OUTSD CO
S18	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	12/C-10-600V	E-2	B-11	OUTSD CO
TQ1	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ4	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12 PR #20AWG	E-1	B-13	C2B
TQ5	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
TQ6	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12 PR #16AWG	E-1	B-13	C2B
TQ7	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ8	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ9	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
XY-01109A1	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-01109B1	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06201	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06433	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06434	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-14201A	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201B	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201C	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201D	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201E	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201F	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-15500	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-24201A	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201B	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201C	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201D	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201E	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201F	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-25500	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
X01	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-116	E-1	B-15B	C2C, 31
X02	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-110A	E-1	B-15B	C2C, 31
X03	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-207	E-1	B-15B	OUTSD CO
X06	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-112	E-1	B-15B	OUTSD CO
X07	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-204	E-1	B-15B	OUTSD CO
X08	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-104	E-1	B-15B	C2C, 31
X09	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-105	E-1	B-15	OUTSD PC
X09	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-105	E-1	B-15B	OUTSD CO
X31	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-101	E-1	B-15B	OUTSD CO
Z02	E401	GUE	CBL, 600V PW + CT	BIW	2/C #14-600V	E-1	B-21	IN PC

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
Z03	E401	GUE	CBL, 600V PW + CT	BIW	3/C #14-600V	E-1	B-21	IN PC
Z05	E401	GUE	CBL, 600V PW + CT	BIW	5/C #14-600V	E-1	B-21	IN PC
Z07	E401	GUE	CBL, 600V PW + CT	BIW	7/C #14-600V	E-1	B-21	IN PC
Z12	E401	GUE	CBL, 600V PW + CT	BIW	12/C #14-600V	E-1	B-21	IN PC
Z13	E401	GUE	CBL, 600V PW + CT	BIW	3/C #10-600V	E-1	B-21	IN PC
Z61	E401	GUE	CBL, 600V PW + CT	BIW	1/C #6-600V	E-1	B-21	IN PC
Z63	E401	GUE	CBL, 600V PW + CT	BIW	3/C #6-600V	E-1	B-21	IN PC
Z83	E401	GUE	CBL, 600V PW + CT	BIW	3/C #8-600V	E-1	B-21	IN PC
1ATS-219	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1M, 27,670'
1ATS-229	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1K, 25,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236032	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236021	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236033	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236011	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236082	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236043	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236042	E-2,D	B-20	R1K, 29,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246081	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246051	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246091	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246072	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246103	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246061	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246102	E-2,D	B-20	R1K, 28,719'
1C201A	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 25
1C201A, PWRSUP	J03C	GUE	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	R1M/25,670'
1C201A, RACK	J03C	GUE	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	R1M/25,670'
1C201A, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*	B-34	R1M/25
1C201A, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2WCE	E-1*	B-34	R1M/25
1C201B	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 25
1C201B, PWRSUP	J03C	GUE	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	R1M/25,670'
1C201B, RACK	J03C	GUE	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	R1M/25,670'
1C201B, SHELF	J03C	GUE	SHELF - 3 UNIT	BAILEY CONTRLS	762030AAAN1	E-1*,D	B-34	R1M/25,670'
1C201B, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*	B-34	R1M/25
1C201B, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2WCD	E-1*	B-34	R1M/25
1W100A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W101A	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,735'
1W101B	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,733'
1W101C	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,733'
1W101D	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,730'
1W101E	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,730'
1W101F	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,727'
1W102A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729
1W102B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W103A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W103B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W104B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W105A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W106A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W107	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W108	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W300	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,688'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1W301	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,688'
1W330B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,687'
2ATS-219	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1M, 32,670'
2ATS-229	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1K, 30,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236033	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236042	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236021	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236032	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236082	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236011	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236043	E-2,D	B-20	R1K, 34,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246051	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246102	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246091	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246081	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246061	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246072	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246103	E-2,D	B-20	R1K, 33,719'
2C201A	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 30
2C201B	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 30
2G202	E151	GUE	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1M, 32,670'
2G203	E151	GUE	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1K, 33,719'
2S246	E151	GUE	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1M, 32,749'
2S247	E151	GUE	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1K, 33,749'
2W100A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W101A	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,735'
2W101B	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,733'
2W101C	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,733'
2W101D	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,730'
2W101E	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,730'
2W101F	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,727'
2W102A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W102B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W103A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W103B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W104B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W105A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W106A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W107	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W108	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W300	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,688'
2W301	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,688'
2W330B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,687'
HV-1F028	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F029	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F001	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1B, 28
HV-1F001	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GT-MO	D		R645
HV-1F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-1F001B	P12B	HPCI	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
HV-1F002	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-EBA-GT-MO	D		R704
HV-1F002	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-1F002	P10A	HPCI	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	C2B, 26

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F003	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-1F003	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-EBA-GT-MO	D		R704
HV-1F003	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C, 28
HV-1F004	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 28
HV-1F006	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R749
HV-1F006	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SB-3-150	E-1	B-48	R3, 25
HV-1F006	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	14"-DBB-GT-MO	D		R749
HV-1F007	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SB-3-150	E-1	B-48	R1M, 25
HV-1F007	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	14"-DBB-GT-MO	D		R670
HV-1F007	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R670
HV-1F008	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-80	E-1	B-48	R1M, 25
HV-1F008	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GB-MO	D		R670
HV-1F008	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB	D		R670
HV-1F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-1F011	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GT-MO	D		R645
HV-1F011	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1A, 25
HV-1F012	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R670
HV-1F012	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	4"-EBG-GT-MO	D		R670
HV-1F012	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1B, 28
HV-1F026	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F042	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 28
HV-1F059	P15A	HPCI	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-1F059	P15A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/28,645
HV-1F066	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R1B, 28
HV-1F075	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B, 28
HV-1F079	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B, 28
HV-2F001	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1B, 33
HV-2F001	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GT-MO	D		R645
HV-2F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-2F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-2F002	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-EBA-GT-MO	D		R704
HV-2F002	P10A	HPCI	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	C2B, 31
HV-2F002	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-2F003	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-EBA-GT-MO	D		R704
HV-2F003	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-2F003	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C, 33
HV-2F004	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 33
HV-2F006	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R3, 30
HV-2F006	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R749
HV-2F006	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	14"-DBB-GT-MO	D		R749
HV-2F007	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R670
HV-2F007	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	14"-DBB-GT-MO	D		R670
HV-2F007	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1M, 32
HV-2F008	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GB-MO	D		R670
HV-2F008	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-80	E-1	B-48	R1M, 32
HV-2F008	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R670
HV-2F011	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1A, 32
HV-2F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-2F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-2F011	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	10"-DBB-GT-MO	D		R670
HV-2F012	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1B, 33
HV-2F012	P10A	HPCI	GATE VLVS, MOTOR ANCHOR	DARLING	4"-EBB-GT-MO	D		R670
HV-2F012	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R670
HV-2F042	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B/33,645
HV-2F059	P15A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,645
HV-2F059	P15A	HPCI	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-2F066	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R1B/33,670
HV-2F075	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,670
HV-2F079	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,670
LV-E41-1F054	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
LV-F51-1F054	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
PSV-E41-1F020	M159	HPCI	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E41-1F050	M159	HPCI	NUCLEAR SRV'S	J.E. LONERGAN	D-10H	D	N/A	R,645'
PV-1F051A	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PV-1F052A	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
SV-15521	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,670
SV-15528	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1B/28,645
SV-15529	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1B/28,645
SV-15625	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/25,645
SV-15626	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/25,645
SV-25521	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,704
SV-25528	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1B/33,645
SV-25529	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1B/33,645
SV-25625	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/30,645
SV-25626	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/30,645
ZS-15521	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,704
ZS-15528	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15529	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15554	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15625	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/25,645
ZS-15626	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/25,645
ZS-25521	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E,31,704
ZS-25528	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25529	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25554	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25625	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/30,645
ZS-25626	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/30,645
OC529A	J05	ESWRHR	CONTROL PANEL	COMSIP	CUSTOM LINE	D		704
OC529B	J05	ESWRHR	CONTROL PANEL	COMSIP	CUSTOM LINE	D		704
SV-07802A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
SV-07872A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
SV-07873A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
TV97813A,B	P15B	HVAC	GATE VLVS, AIR	BORG WARNER	1500#	D		C806
HV-1F010	P12B	HVACEDS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F010	P12B	HVACEDS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-12603	P14B	IG	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		DRYWELL,719'
HV-12603	P14B	IG	GLOBE VLVS,MTR 1500#	BORG WARNER	2" 74660	D		DRYWELL,719'
HV-12603-P	P14B	IG	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,719
HV-22603-P	P14B	IG	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,719
IT-226A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-401A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403G	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403H	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403J	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403K	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403L	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403M	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403N	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403P	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403R	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
IT-403S	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
PSL-12643	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-12648	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-22643	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-22648	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSV-12643	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,719'
PSV-12644	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-30/OR	D	N/A	R,719'
PSV-12646	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-30/OR	D	N/A	R,719'
PSV-12648	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,719'
PT-12643	J56B	IG	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,749
PT-12648	J56B	IG	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/25,719
PT-22648	J56A	IG	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	RLK/30,719
SV-12605	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-205	E-2,D	B-46	R1K/25,719
SV-12643	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-2,D	B-46	R1M/29,749
SV-12644	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/29,749
SV-12648	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-2,D	B-46	R1K/25,719
SV-12649	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,719
SV-12651	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-206	E-2,D	B-46	R1C/28,683
SV-12654A	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-2,D	B-46	R1J/29,749
SV-12654B	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-2,D	B-46	R1K/25,719
SV-12661	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,719
SV-12671	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,683
SV-22605	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-212	E-1*	B-46B	RLK/30,719
SV-22643	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-1*	B-46B	RLM/33,749
SV-22644	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/33,749
SV-22648	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-1*	B-46B	RLK/30,719
SV-22649	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-22651	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-215	E-1*	B-46B	RLC/33,683
SV-22654A	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-1*	B-46B	RLJ/33,749
SV-22654B	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-1*	B-46B	RLK/30,719
SV-22671	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/30,683
2T-226A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-401A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403G	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403H	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403J	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403K	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403L	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403M	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403N	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403P	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403R	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403S	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
HV-16108A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-16108A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-16108A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-16108A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16108A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16108A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-161082	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-161082	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16116A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16116A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-16116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-16116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-26106A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-26106A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-26106A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
HV-26106A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R806
HV-26116A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-26116A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-26116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
HV-26116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R806
SV-16108A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16108A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16116A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16116A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-26108A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26108A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26116A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26116A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
ZS-16108A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16108A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16116A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16116A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-26108A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26108A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26116A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26116A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
1C209	J05AC	LRW	PANL, CONTR (LRW)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
2C209	J05AC	LRW	PANL, CONTR (LRW)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
OATS-516	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
OATS-526	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
OATS-536	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
OATS-546	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
HV-2F003B	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F003B	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003F	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F003F	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F006	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F006	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F007	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F007	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F008	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F008	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F009	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F009	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001K	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001K	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001P	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001P	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002B	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002B	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002K	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F002K	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002P	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002P	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003B	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003B	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
1E203A	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001B	D		R,731'
1E203B	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001F	D		R,731'
1E203C	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001K	D		R,731'
1E203D	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001P	D		R,731'
2E203A	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001B	D		R,731'
2E203B	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001F	D		R,731'
2E203C	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001K	D		R,731'
2E203D	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001P	D		R,731'
HV-1F001B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F003B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F006	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F006	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/27,719
HV-1F007	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/27,719
HV-1F007	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F007	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F008	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F008	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F008	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F009	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F009	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F009	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F001B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001B	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F001B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001F	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30/719
HV-2F001F	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F001K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F001P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002B	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002F	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002F	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F002K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F003B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F003K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,719
HV-2F003P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F003P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F006	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F007	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F008	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F009	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-1F006	P15B	MSIVLCC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
NONE	M55	N/A	TOP HEAD INSULATION	TRANSCO	N/A			C,793'
HV-1F001	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,779
HV-1F002	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,779
HV-1F011A	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 26
HV-1F011B	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 26
HV-1F016	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 26
HV-1F019	P10A	NB	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R3, 26
HV-1F020	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R3, 25
HV-1F032A	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 27
HV-1F032B	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 25
HV-2F001	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,779
HV-2F002	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,779
HV-2F011A	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 31
HV-2F011B	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 31
HV-2F016	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 31
HV-2F019	P10A	NB	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R3, 30
HV-2F020	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R3, 30
HV-2F032A	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 34,
HV-2F032B	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 34,
LI-14262	J03C	NB	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670'
NONE	J03C	NB	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
PI-14262	J03C	NB	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
HV 1F020	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBB-GB-MO	D		R719
HV-1F001	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F002	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F005	P15A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,779'
HV-1F005	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F016	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-1F016	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-1F019	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-1F019	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-1F020	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB	D		R719
HV-2F001	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-2F002	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-2F005	P15A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,779'
HV-2F005	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-2F016	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-2F016	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-2F019	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-2F019	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-2F020	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R719
HV-2F020	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBB-GB-MO	D		R719
LT-15312	J56B	NBS	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/27,779
PSV-B21-1F037K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSV-B21-1F037N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PT-14262	J56B	NBS	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,749
V-CABLES	J63	NBS	CABLE ASSEMBLY	TEC	424-C2	E-1	B-41	C2E/31,739
V-CABLES	J63	NBS	CABLE ASSEMBLY	TEC	424-C2	E-1	B-41	C2E/26,739
VE-14180A1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
VE-14180A2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-24180A1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VT-14180A1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-24180A1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
SV-22661	J70	NBVI	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
RR-15755A	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-15755B	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-25755A	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-25755B	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
1F-401A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-401B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-402A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-402B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404C	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404D	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-407A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-407B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-408A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-408B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-409A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-409B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-410A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-410B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-401A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-401B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-402A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-402B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404C	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404D	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-407A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-407B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-408A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-408B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-409A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-409B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-410A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-410B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
LI-24262	J03C	R LVL	INDICATORS	BAILEY	775111AAAN2	D		670'
PI-24262	J03C	R PRSS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		670'
XY-06202	J49	RADWASTE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06203	J49	RADWASTE	IE SIGNAL ISOLATORS	TEC	156A	D		
PDI-07554A1	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554A2	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554A3	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B1	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B2	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B3	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
HV-11313	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C, 29
HV-11314	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C, 29
HV-11345	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B, 26
HV-11346	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B, 26
HV-21313	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C/34,704
HV-21314	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C/34,704
HV-21345	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,704
HV-21346	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,704
SV-18781A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/29,719
SV-18781A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/29,719
SV-18781B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/25,719
SV-18781B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/25,719
SV-18791A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/27,719
SV-18791A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/27,719
SV-18791B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/28,719
SV-18791B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/28,719
SV-28781A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/34,719
SV-28781A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/34,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-28781B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/30,719
SV-28781B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/30,719
SV-28791A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/32,719
SV-28791A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/32,719
SV-28791B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/33,719
SV-28791B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/33,719
ZS-18781A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/29,719
ZS-18781A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/29,719
ZS-18781B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/25,719
ZS-18781B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/25,719
ZS-18791A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/27,719
ZS-18791A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/27,719
ZS-18791B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/28,719
ZS-18791B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/28,719
ZS-28781A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/34,719
ZS-28781A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/34,719
ZS-28781B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/30,719
ZS-28781B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/30,719
ZS-28791A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/32,719
ZS-28791A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/32,719
ZS-28791B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/33,719
ZS-28791B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/33,719
1CB216A	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,683'
1CB216B	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,683'
2CB216A	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
2CB216B	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
HV-18781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-28781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-28781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
SV-18743A	J69B	RBCW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-18782A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-28782A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
ZS-18782A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18782A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18782B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18782B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-28782 A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
BDD 17521	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
BDD 17522	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDD-27521	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDD-27522	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDID 17603A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17603B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17604A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17604B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17605A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17605B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17606A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/25,749'
BDID 17606B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/25,749'
BDID 17609A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17609B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17652A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17652B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17653A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17653B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17659A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/28,749'
BDID 17659B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/28,749'
BDID 17667A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
BDID 17667B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17668A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/29,683'
BDID 17668B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/29,683'
BDID 17669A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/25,749'
BDID 17669B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/25,749'
BDID 17670A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17670B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17671A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17671B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17674A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17674B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17675A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17675B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 27603A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27603B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27604A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27604B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27605A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27605B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27606A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/32,749'
BDID 27606B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/32,749'
BDID 27609A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27609B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27652A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34,749'
BDID 27652B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34,749'
BDID 27653A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34
BDID 27653B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34
BDID 27668A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/34
BDID 27668B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/34
BDID 27669A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/32
BDID 27669B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/32
BDID 27670A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27670B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27671A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27671B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27674A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27674B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27675A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27675B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID-27667A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,670'
BDID-27667B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,670'
FSH-17601A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17601B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17602A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17602B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17630A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17630B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17657A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1M, 29
FSH-17657B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1M, 29
FSH-27601A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27601B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27602A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27602B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27630A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 34
FSH-27630B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 34
FSH-27657A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27657B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
HDM 27601A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27601B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27602A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27602B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27630A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1K/34
HDM 27630B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1K/34
HDM 27657A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HDM 27657B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM-07545A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-07545B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-17601A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-17601B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-17602A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17602B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17630A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17630B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17657A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17657B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
IV-222A	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	254T	E-2	B-26	R1I, 29
IV-222B	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	254T	E-2	B-26	R1I, 29
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762050AAAN1	D		729
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762080AAAN1	D		729
OC-681	J03C	RBHVAC	RACK UNITS	BAILEY	761000AAAN1	D		729
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762020AAAN1	D		729
OC681	J03C	RBHVAC	SIGNAL RESIST UNITS	BAILEY		D		729
OV-201A	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	444TC2	E-2	B-26	R4, 29
OV-201B	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	444TC2	E-2	B-26	R4, 29
PDDM-07554A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1F/27
PDDM-07554B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1F/27
PDSL-07544A	M320/M415	RBHVAC	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	R2, 29,799''
PDSL-07544B	M320/M415	RBHVAC	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	R2, 29,799'
SV-07524A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-07524B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-07543A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,749
SV-07543B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,749
SV-11024A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-11024B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-17502A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/28,779
SV-17502B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/28,779
SV-17508A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1F/27,779
SV-17508B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1F/27,779
SV-17514A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/29,779
SV-17514B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/29,779
SV-17524A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/29,779
SV-17524B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/29,779
SV-17530A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17530B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17531A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17531B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17534A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1K/25,779
SV-17534B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17534C	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17534D	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/25-7,818
SV-17534E	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/28-7,818
SV-17534F	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17534H	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17564A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17564B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17576A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-17576B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/28,779
SV-17586A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-17586B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-18743B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-21024A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-21024B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-27508A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/30,779
SV-27508B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/30,779
SV-27524A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27524B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27534A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1K/32,779
SV-27534B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-27534D	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R5/32,818
SV-27534E	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R5/34,818
SV-27534F	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27534G	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,818
SV-27534H	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27534I	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27576A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27576B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/34,779
SV-27586A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27586B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
TE-07552B	J59	RBHVAC	RTD	ROSEMOUNT	88-14-13	D		806
TSH-17631A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2,D	B-29	R1I, 29,719'
TSH-17631B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2,D	B-29	R1I, 29,719'
TSH-17661A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1H, 28,645'
TSH-17661B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1H, 28,645'
TSH-17663A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1B, 25,645'
TSH-17663B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1B, 25,645'
TSH-27631A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2	B-29	R1I, 34
TSH-27631B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2	B-29	R1I, 34
TSH-27661A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1H, 33
TSH-27661B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1H, 33
TSH-27663A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1B, 30
TSH-27663B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1B, 30
TV-0755B	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-0755B	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
TV-07550A	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
TV-07550A	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-07550A	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-07550A	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
1V-208A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1H (28)
1V-208B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1H (28)
1V-209A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1B (28)
1V-209B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1B (28)
1V-210A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210C	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210D	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-211A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211C	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211D	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-414A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-414B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-415A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-415B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-416A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-416B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
2V-414A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-414B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-415A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-415B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-416A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-416B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
FI-14903	J03C	RCIC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FI-24903	J03C	RCIC	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
FIC-14903	J03C	RCIC	CONTROLLER	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	R1M/25,670'
FIC-24903	J03C	RCIC	CONROLLERS	BAILEY	701002AAAN1	D		670'
FY-14903	J03C	RCIC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	R1N, 25,670'
FY-14903A	J03	RCIC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M/25,670'
FY-14903A,VD	J03C	RCIC	VOLTAGE DIVIDER	BAILEY CONTRLS	6200X60G0700	E-1*,D	B-34	R1M, 25,670'
FY-24903A	J03C	RCIC	ISOLATORS	BAILEY	740111AAAN2	D		670'
FY-24903B	J03C	RCIC	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		670'
HV-1F007	P10A	RCIC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	C2B, 26
HV-1F007	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBA-GT-MO	D		R704

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F007	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F008	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBA-GT-MO	D		R704
HV-1F008	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F008	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1C, 28
HV-1F010	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 28
HV-1F012	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	6"-DBB-GT-MO	D		R670
HV-1F012	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1M, 28
HV-1F012	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-1F013	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R749
HV-1F013	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 27
HV-1F013	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	6"-DBB-GT-MO	D		R749
HV-1F016	P12B	RCIC	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F019	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1N/28,645
HV-1F019	P15A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,670'
HV-1F019	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-1F022	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB- 0-15	E-1	B-48	R1M, 25
HV-1F022	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-3-80	D		R670
HV-1F022	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBB-GB-MO	D		R670
HV-1F031	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 28
HV-1F045	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1H, 28
HV-1F045	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBB-GB-MO	D		R645
HV-1F045	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R645
HV-1F046	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/28,645
HV-1F046	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-1F059	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R1N, 28
HV-1F060	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/28,670
HV-1F060	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-1F062	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/28,670
HV-1F062	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-1F062	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F084	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-1F084	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F084	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/28,670
HV-2F007	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBA-GT-MO	D		R704
HV-2F007	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F007	P10A	RCIC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	C2B, 31
HV-2F008	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F008	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBA-GT-MO	D		R704
HV-2F008	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1C, 33
HV-2F010	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 33
HV-2F012	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1M, 33
HV-2F012	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-3-80	D		R670
HV-2F012	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	6"-DBB-GT-MO	D		R670
HV-2F013	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	6"-DBB-GT-MO	D		R749
HV-2F013	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 30
HV-2F013	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R749
HV-2F016	P12B	RCIC	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F019	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-2F019	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1N/33,670
HV-2F022	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-15	E-1	B-48	R1M, 30
HV-2F031	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,645
HV-2F045	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1H, 33
HV-2F045	P10A	RCIC	GATE VLVS, MOTOR ANCHOR	DARLING	4"-DBB-GB-MO	D		R645
HV-2F045	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R645
HV-2F046	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-2F046	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,645
HV-2F059	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R1N/33,670
HV-2F060	P15A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F060	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-2F060	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,670
HV-2F062	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-2F062	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F062	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/33,670
HV-2F084	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/33,670

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F084	P15B	RCIC	GATE VLVS, MOTOR BORG	HARNER	900#	D		R670
HV-2F084	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
NONE	J03C	RCIC	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
PCV-1F035	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-404-2	D		645
PCV-1F015	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-403-1	D		645
PCV-12643	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-401-1	D		749
PCV-12648	J70	RCIC	PRESSURE REG VALVES	TARGET RO	75KK-401-1	D		719
PSV-E51-1F017	M159	RCIC	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E51-1F018	M159	RCIC	NUCLEAR SRV'S	J.E. LONERGAN	D-10F	D	N/A	R,645'
SI-15001B	J03C	RCIC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
SI-25001B	J03C	RCIC	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
SV-14924	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,670
SV-14925	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1H/28,645
SV-14926	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1H/28,645
SV-15004	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/28,645
SV-15005	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/28,645
SV-24924	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,704
SV-24925	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1H/33,645
SV-24926	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1H/33,645
SV-25004	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/33,645
SV-25005	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/33,645
SY-15001B	J03C	RCIC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M/25,670'
SY-15001B,VD	J03C	RCIC	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M/25,670'
ZS-14924	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,704
ZS-14925	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-14926	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-14954	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15004	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15005	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-24924	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-24925	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,719
ZS-24926	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-24954	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25004	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25005	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
HV-1F025	J65	RCIC,HPCI	CONTROL VALVE	MASONEILA	38-20761	D		645
HV-1F074A	J65	RCIC,HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		R,645'
HV-1F074B	J65	RCIC,HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		R,645'
FI-07557	J03C	RECIRC	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FY-07557	J03C	RECIRC	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FI-15105	J03C	RHR	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FI-21207A	J03C	RHR	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		670'
FI-25105	J03C	RHR	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
FY-15105	J03C	RHR	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	R1N, 25,670'
FY-21207A	J03C	RHR	ISOLATORS	BAILEY	740111AAAN2	D		670'
FY-25105	J03C	RHR	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		670'
HV 1F017A	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GB-MO	D		R683
HV-AF006A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 29
HV-AF006B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 28
HV-1F003A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F003A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-1F003B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-1F003B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F004A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 29
HV-1F004B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 28
HV-1F007A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R,670'
HV-1F007A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO-V	D		R,670'
HV-1F007A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 29
HV-1F007B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R,670'
HV-1F007B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO	D		R,670'
HV-1F007B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 28
HV-1F007B	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GB-MO	D		R683
HV-1F007B	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-75	D		R683
HV-1F008	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1C/28,683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F008	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R704
HV-1F008	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R704
HV-1F009	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R719
HV-1F009	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R719
HV-1F009	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-80	E-1	B-48	C2B/26,719
HV-1F010A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO-V	D		R,683'
HV-1F010A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-1F010A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 29
HV-1F010B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 28
HV-1F010B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO	D		R,683'
HV-1F010B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-1F011A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-1F011A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F011A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 29
HV-1F011B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-1F011B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 28
HV-1F011B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F015A	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/29,683
HV-1F015A	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-1F015A	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-1F015B	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-1F015B	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-1F015B	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/28,683
HV-1F016A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J, 29
HV-1F016B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R3, 25
HV-1F017A	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 29
HV-1F017A	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB	D		R683
HV-1F017B	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 28
HV-1F021A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J, 29
HV-1F021A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,749'
HV-1F021A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-1F021B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 25
HV-1F021B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO	D		R,749'
HV-1F021B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-1F022	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-15	E-1	B-48	C2B/26,719
HV-1F022	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	6" -DCA-GT-MO	D		R719
HV-1F022	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-15	D		R719
HV-1F023	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R683
HV-1F023	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R683
HV-1F023	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/29,683
HV-1F024A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C, 27
HV-1F024B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C, 25
HV-1F026A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F026A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 29
HV-1F026A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-1F026B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 28
HV-1F026B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-1F026B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F027A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C, 29
HV-1F027B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C, 28
HV-1F028A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C, 27
HV-1F028A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO-V	D		R,683'
HV-1F028A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,683'
HV-1F028B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,683'
HV-1F028B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C, 25
HV-1F028B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO	D		R,683'
HV-1F040	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-1F047A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 29
HV-1F047A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F047A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-1F047B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 28
HV-1F047B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-1F047B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F048A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C, 29

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F048B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO	D		R,683'
HV-1F048B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C, 28
HV-1F048B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-1F049	P12A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-1F049A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-1F049A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-1F053A	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F053B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F060A	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F060B	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F067	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F073A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F073A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F073B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F074B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F075A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F075A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F075A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F075A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F075B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F075B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F103A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F103A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F103B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F104A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-151050A	P17B	RHR	AR OP TES CH VALV900#	ATWOOD & MORRILL	NONE	D		719
HV-151060	P12B	RHR	GATE VLVS, GEAR	PACIFIC	150#	D		R704
HV-15112	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-15112	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-15112	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-2F003A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-2F003A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F003B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F003B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-2F004A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F004B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F006A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F006B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F007A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 33,
HV-2F007A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,670'
HV-2F007A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO-V	D		R,670'
HV-2F007B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO	D		R,670'
HV-2F007B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,670'
HV-2F007B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 33,
HV-2F008	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R704
HV-2F008	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1C/33,704
HV-2F008	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R704
HV-2F009	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-80	E-1	B-48	C2B/31,719
HV-2F009	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R719
HV-2F009	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R719
HV-2F010A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-2F010A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO-V	D		R,683'
HV-2F010A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 34,
HV-2F010B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/34,683
HV-2F010B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-2F010B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO	D		R,683'
HV-2F011A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F011A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F011A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-2F011B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F011B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F011B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-2F015A	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-2F015A	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-2F015A	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/34,704
HV-2F015B	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/34,704
HV-2F015B	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-2F015B	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-2F016A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GB-MO-V	D		R,749'
HV-2F016A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J/34,749
HV-2F016A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-25	D		R,749'
HV-2F016B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J/30,761
HV-2F016B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GB-MO-V	D		R,749'
HV-2F016B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-25	D		R,749'
HV-2F017A	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 33,
HV-2F017A	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GBY-MO	D		R704
HV-2F017A	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R704
HV-2F017B	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R704
HV-2F017B	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GBY-MO	D		R704
HV-2F017B	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 33,
HV-2F021A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,749'
HV-2F021A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-2F021A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J/34,
HV-2F021B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J/30,
HV-2F021B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,761'
HV-2F021B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,761'
HV-2F022	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-15	E-1	B-48	C2B/31,719
HV-2F022	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-15	D		R719
HV-2F022	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	6" -DCA-GT-MO	D		R719
HV-2F023	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/34,704
HV-2F023	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R683
HV-2F023	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R683
HV-2F024A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C/32,683
HV-2F024A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GB-MO-V	D		R,683'
HV-2F024A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-100	D		R,683'
HV-2F024B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-100	D		R,683'
HV-2F024B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C/32,683
HV-2F024B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GB-MO	D		R,683'
HV-2F026A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F026A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-2F026A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F026B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F026B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F026B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-2F027A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-75	D		R,683'
HV-2F027A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GB-MO-V	D		R,683'
HV-2F027A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C/34,683
HV-2F027B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C/34,683
HV-2F027B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-75	D		R,683'
HV-2F027B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GB-MO	D		R,683'
HV-2F028A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,704'
HV-2F028A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO-V	D		R,704'
HV-2F028A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C/34,704
HV-2F028B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C/34,704
HV-2F031A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO-V	D		R,670'
HV-2F031A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-2F040	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,683
HV-2F040	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-2F040	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GB-MO-V	D		R,683'
HV-2F047A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G/33,670
HV-2F047A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F047A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-2F047B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-2F047B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F047B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G/33,670
HV-2F048A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-2F048A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO-V	D		R,683'
HV-2F048A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C/33,683
HV-2F048B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C/33,683
HV-2F048B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-2F048B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO	D		R,683'
HV-2F049	P12A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,683
HV-2F049	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-2F049	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-2F060A	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F060B	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F067	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F073B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F073B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-2F075B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-2F075B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F103A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F103A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F104A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F104A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F104B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F104B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-251060	P12B	RHR	GATE VLVS, GEAR	PACIFIC	150#	D		R704
HV-25112	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,704'
HV-25112	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,704'
HV-25112	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,704
HV151F050B	P17B	RHR	CHECK VALVE	ATWOOD & MORRILL	N/A	D	M	719
HV151F050B	P17B	RHR	AIR OPERATED	ATWOOD & MORRILL		D	M	719
IV-208A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	60 PC	D	N/A	R,645'
IV-208B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	60 PC	D	N/A	R,645'
IV-209A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	75 PC	D	N/A	R,654'-6"
IV-209B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	75 PC	D	N/A	R,654'-6"
IV-210A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,670'
IV-210C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,670'
IV-210D	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-211A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211D	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,646'-6"
NONE	J03C	RHR	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
OP-504A	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504B	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504C	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504D	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
PSV-E11-1F025A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F025B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F029	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F030B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030D	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030C	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F055B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-52Q	D	N/A	R,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSV-E11-1F055A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-52Q	D	N/A	R,670'
PSV-E11-1F097	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-10K	D	N/A	R,670'
PSV-E11-1F141A	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-1F141B	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-2F141B	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-2F141A	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-1F126	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11/54	D	N/A	DRYWELL,704'
PSV-11212A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-20P	D	N/A	R,645'
PSV-11212B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-20P	D	N/A	R,645'
PSV-15113	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-30D	D	N/A	R,683'
PSV-15193	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11T	D	N/A	R,683'
PV-1F051B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
PV-1F052B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
SV-1F079A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/29,645
SV-1F079B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/28,645
SV-1F080A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/29,645
SV-1F080B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/28,645
SV-1F105A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-204	E-2,D	B-46	R1G/29,670
SV-1F105B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-204	E-2,D	B-46	R1G/28,670
SV-15122A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15122B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150A	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/26,719
SV-15150B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150B	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/26,719
SV-15151A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15151B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15152A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15152B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15153A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15153B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15169	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15170A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15170B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15188A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15188B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-15189A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15189B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-15191A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15191B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-25122A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-25122B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-25150A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C3E/31,719
SV-25150A	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/31,719
SV-25150B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C3E/31,719
SV-25150B	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/31,719
SV-25152A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25152B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25169	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25170A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25170B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25188A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25188B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25189A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25189B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25191A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25191B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,645
SV-25734A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/32,670
SV-25734B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/30,670
SV51-2F079A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/34,645
SV51-2F079B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/33,645
SV51-2F080A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/34,645
SV51-2F080B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/33,645
SV51-2F105A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-214	E-1*	B-46B	RLG/34,670

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV51-2F105B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-214	E-1*	B-46B	RLG/33,670
TIC-18201A	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-18201B	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-28201A	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-28201B	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TT-18201A	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-18201B	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-28201A	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-28201B	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
ZS-15122A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-15122B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-15150A	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15150B	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15160A	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15160B	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15170A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15170B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15189A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15189B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/28,670
ZS-15191A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15191B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/28,670
ZS-25122A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-25122B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-25150A	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25150B	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25160A	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25160B	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25170A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25170B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25189A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25189B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/33,670
ZS-25191A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25191B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/33,645
FSL-11207A	J03C	RHR SW	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	R1M/25,670'
FSL-11207B	J03C	RHR SW	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	R1M/25,670'
HV-012012	P16A	RHR SW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,678'
HV-012012	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	36" HBC-BF-MO-V	D		R,678'
HV-012013	P16A	RHR SW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,678'
HV-012013	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	36" HBC-BF-MO-V	D		R,678'
HV-012029	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012030	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012032	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012033	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-01222A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-25	D		R,678'
HV-01222A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	36" HBC-BF-MO	D		R,678'
HV-01222B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	36" HBC-BF-MO	D		R,678'
HV-01222B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,678'
HV-01224A1	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,678'
HV-01224A1	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	30" HBC-WBF-MO	D		R,678'
HV-01224A2	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,678'
HV-01224A2	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	24" HBC-BF-MO	D		R,678'
HV-01224B1	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	30" HBC-WBF-MO	D		R,678'
HV-01224B1	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,678'
HV-01224B2	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	24" HBC-BF-MO	D		R,678'
HV-01224B2	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,678'
HV-112002	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" 8865-P16-AC14	D		R,685'
HV-112002	P16A	RHR SW	GEAR OPERATOR	MATRYX	8856-P16-AC-14	D		R,685'
HV-112004	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" HBC-BF-GO	D		R,685'
HV-112004	P16A	RHR SW	GEAR OPERATOR	MATRYX	8865-P16-AC-13	D		R,685'
HV-11210A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,645'
HV-11210A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11210B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11210B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,645'
HV-11215A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,645'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-11215A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11215B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,645'
HV-11215B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
1P-506A	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
1P-506B	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
1P506A	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
1P506B	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
2P-506A	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
2P-506B	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
2P506A	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
2P506B	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
FI-11207B	J03C	RHRSW	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FSL-21207A	J03C	RHRSW	ALARM UNIT (SINGLE)	BAILEY	745110AAAN2	D		670'
FSL-21207B	J03C	RHRSW	ALARM UNIT (SINGLE)	BAILEY	745110AAAN2	D		698'
FY-11207A1	J03C	RHRSW	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M, 25,670'
FY-11207A1,VD	J03C	RHRSW	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M, 25,670'
FY-11207B	J03C	RHRSW	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M, 25,670'
FY-11207B,VD	J03C	RHRSW	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M, 25,670'
HV-1F003A	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 29
HV-1F003B	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 28
HV-1F073A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/29,670
HV-1F073B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/28,670
HV-1F074A	J65	RHRSW	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F075A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/29,645
HV-1F075B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/28,645
HV-11210A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/29,645
HV-11210B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/28,645
HV-11215A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/29,645
HV-11215B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/28,645
HV-2F003A	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 33,
HV-2F003B	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 33,
HV-2F073A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F073B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F075A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F075B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-21210A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21210B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21215A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21215B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
NONE	J03C	RHRSW	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
SV-11274A	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-11274B	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15152A	J69C	RHRSW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		670
SV-15153A	J69C	RHRSW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		670
SV-21274A	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-21274B	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
RE-15720A	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/26,719
RE-15720B	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/26,719
RE-25720A	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/31,719
RE-25720B	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/31,719
HV-1F004	P12B	RR	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
SV-14319	J69C	RR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,719
SV-14320	J69B	RR	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		719
SV-14320	J69B	RR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1K/25,719
SV-24319	J69C	RR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-24320	J69B	RR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1K/32,719
ZS-14319	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-14320	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/25,719
ZS-24319	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-24320	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/30,719
HV-1F001	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 26
HV-1F001	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R739
HV-1F001	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R739
HV-1F004	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F004	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R749
HV-1F004	P10A	RWCU	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1E, 27
HV-1F042	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 28
HV-1F042	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R749
HV-1F042	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-1F100	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F100	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F101	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R719
HV-1F101	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R719
HV-1F102	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GB-MO	D		R704
HV-1F102	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R704
HV-1F104	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-1F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-1F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-1F104	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 28
HV-1F106	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F106	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F001	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R739
HV-2F001	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R739
HV-2F001	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 31
HV-2F004	P10A	RWCU	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1E, 32
HV-2F004	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R749
HV-2F004	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R749
HV-2F022	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R670
HV-2F022	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R670
HV-2F042	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 33
HV-2F042	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-2F042	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-2F100	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F100	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-2F101	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R719
HV-2F101	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R719
HV-2F102	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-0-75	D		R704
HV-2F102	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GB-MO	D		R704
HV-2F103	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R719
HV-2F104	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 33
HV-2F104	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-2F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R749
HV-2F106	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F106	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-241016	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R719
0X507	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X508	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X509	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X510	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X512	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		SW,685'
0X513	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		SW,685'
1A201	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1A202	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 28,749'
1A203	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,719'
1A204	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 28,719'
1A205	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1A206	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1B210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 29,749'
1B216	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,683'
1B217	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 29,749'
1B219	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,670'
1B220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 28,749'
1B226	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,683'
1B227	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 28,749'
1B229	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 28,719'
1B230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 29,719
1B236	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 29,719'
1B237	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1B240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 28,719
1B246	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 28,719'
1B247	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,670'
1C246	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1M, 27,670'
1C247	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1K, 28,719'
1G202	E151	SBACP	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1M, 27,670'
1G203	E151	SBACP	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1K, 28,719'
1S246	E151	SBACP	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1M, 27,670'
1S247	E151	SBACP	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1K, 28,719'
1X210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 29,749'
1X216	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 27,683'
1X220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 28,749'
1X226	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 28,683'
1X230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 29,719
1X236	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 29,719'
1X240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 28,719
1X246	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 28,719'
1Y216	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,683'
1Y218	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 29,719'
1Y226	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,683'
1Y236	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 29,719'
1Y246	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 28,719'
2A201	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749
2A202	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2A203	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 34,719'
2A204	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,719'
2A205	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2A206	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2B210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 33,749
2B216	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,683'
2B217	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 33,749'
2B219	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,749'
2B220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 34,749
2B226	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 33,683'
2B227	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 34,749'
2B229	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 33,749'
2B230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 34,719
2B236	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 34,719'
2B237	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,670'
2B240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2	B-3	R1I, 33,719
2B246	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 33,719'
2B247	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 33,670'
2C246	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1M, 32,670'
2C247	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1K, 33,719'
2X210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 33,749
2X216	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 32,683'
2X220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 34,749
2X226	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 33,683'
2X230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 34,719
2X236	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 34,719'
2X240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2	B-3	R1I, 33,719
2X246	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 33,719'
2Y216	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1M, 32
2Y218	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 34
2Y226	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1M, 33
2Y236	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 34
2Y246	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 33
1D610	E119	SBDCP	125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D611	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D612	E121	SBDCP	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D613	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D614	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D620	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D621	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1D622	E121	SBDCP	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D623	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D624	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D630	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D631	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D633	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D634	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D640	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D641	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D643	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D644	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D650	E119	SBDCP	BATTERY, 250VDC	C&D BATTERIES	LC-25	D		CS,771'
1D651	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
1D653A	E119	SBDCP	CHRGS,BTTRY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D653B	E119	SBDCP	CHRGS,BTTRY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D660	E119	SBDCP	BATTERY, 250VDC	C&D BATTERIES	LC-25	D		CS,771'
1D661	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
1D663	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D670	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
1D671	E119	SBDCP	FUSE BXES,BTTRY,24V	PWR CONVER PROD	100A	D		CS,771'
1D672	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
1D673	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D674	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D675	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D676	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D680	E119	SBDCP	BATTERY 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
1D681	E119	SBDCP	FUSE BXES,BATTY,24V	PWR CONVER PROD	100A	D		CS,771'
1D682	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
1D683	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D684	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D685	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D686	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D691	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D692	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D693	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D694	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D695	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D696	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D610	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D611	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D613	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D614	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D620	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D621	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D623	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D624	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D630	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D631	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D633	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D634	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D640	E119	SBDCP	BATTERY, 125V	C&D BATTERIES	KC-19	D		CS,771
2D641	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D643	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D644	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D650	E119	SBDCP	BATTERY, 250V	C&D BATTERIES	LC-25	D		CS,771'
2D651	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
2D653A	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D653B	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D660	E119	SBDCP	BATTERY, 250V	C&D BATTERIES	LC-25	D		CS,771'
2D661	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
2D663	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D670	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
2D671	E119	SBDCP	FUSE BXES,BTTRY,24V	PWR CONVER PROD	100A	D		CS,771'
2D672	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2D673	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D674	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D675	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D676	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D680	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
2D681	E119	SBDCP	BTTRY FUSE BXES,24V	PWR CONVER PROD	100A	D		CS,771'
2D682	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
2D683	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D684	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D685	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D686	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D691	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D692	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D693	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D694	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D695	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D696	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
OE-101A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OE-101B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-169A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-169B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-170A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-170B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-171A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-171B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-172A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-173A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-173B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OV-109A	M362	SBGT	SGTS CENTR. FANS	BUFFALO FORGE	BL	D		CS,806'V
OV-109B	M362	SBGT	SGTS CENTR. FANS	BUFFALO FORGE	BL	D		CS,806'V
OV-118A	M307	SBGT	CENTRIFUGAL FAN	TRANE CO	16-9-2 HF/SP	D	N/A	CS,806'
OV-118B	M307	SBGT	CENTRIFUGAL FAN	TRANE CO	16-9-2 HF/SP	D	N/A	CS,806'
OV-144A	M309	SBGT	AIR HANDLING UNITS	CARRIER	39EH10	D	N/A	CS,806'
OV-144B	M309	SBGT	AIR HANDLING UNITS	CARRIER	39EH10	D	N/A	CS,806'
OV109A	M362	SBGT	SGTS CENTRIF FANS	BUFFALO FORGE	BL	D		CS,806'
OV109B	M362	SBGT	SGTS CENTRIF FANS	BUFFALO FORGE	BL	D		CS,806'
HVCAL-1F006	P14A	SBLC	GLOBE VLVS,MTR 1500#	YARWAY	1 1/2" CCA-GB-MO	D		R,749'
PSV-C41-1F029B	M159	SBLC	NUCLEAR SRV'S	J.E. LONERGAN	D-80D/LS/SP	D	N/A	R,749'
PSV-C41-1F029A	M159	SBLC	NUCLEAR SRV'S	J.E. LONERGAN	D-80D/LS/SP	D	N/A	R,749'
HV-07551A1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
SV-07551A1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
SV-07551B1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
FDM-07551A2	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
FDM-07551B2	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
FI-07555	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4, 21,806
FSL-07551A	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*	B-34	CS4/21,806'
FSL-07551B	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*	B-34	CS4/21,806'
FT-07551A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
FT-07551B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
FT-07555	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	CS6/21,806'
FT-07557	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R1F/27,779'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FY-07551A	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07551B	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07555	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
HDM-07552A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07552B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07553A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07553B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07555A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07555B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07811A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07811B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HIC-07555A	J03C	SGT	SET STATION	BAILEY CONTRLS	714000AAAN2	E-1*,D	B-34	CS4/21,806'
HIC-07555B	J03C	SGT	SET STATION	BAILEY CONTRLS	714000AAAN2	E-1*,D	B-34	CS4/21,806'
NONE	J03C	SGT	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/21
OC-888A	M320/M415	SGT	PANL, FIRE DETECTN	ALLISON	A971-1-1-SSS	E-2,D	B-29	CS9, 12,806'
OC-888B	M320/M415	SGT	PANL, FIRE DETECTN	ALLISON	A971-1-1-SSS	E-2,D	B-29	CS9, 12,806'
OC883A	M334/M412	SGT	PANL, CONTR SGT	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC883B	M334/M412	SGT	PANL, CONTR SGT	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC886A	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) WIEGMANN	#657676	E-2	B-30	CS9/12
OC886B	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) WIEGMANN	#657676	E-2	B-30	CS9/12
OC887A	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) HOFFMAN	HOFFMAN #A30P24	E-2	B-30	CS9/12
OC887B	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) HOFFMAN	HOFFMAN #A30P24	E-2	B-30	CS9/12
OE101A	M321/M409	SGT	HEATING COIL, SGTS	(CVI) CHROMALOX	DHMS-2-F-054W24H	E-2	B-30	CS9/12
OE101A	M321/M409	SGT	SWITCH, TEMPERATURE	CHROMALOX	ARC-24	E-1*	B-30	CS9/12
OE101B	M321/M409	SGT	SWITCH, TEMPERATURE	CHROMALOX	ARC-24	E-1*	B-30	CS9/12
OE101B	M321/M409	SGT	HEATING COIL, SGTS	(CVI) CHROMALOX	DHMS-2-F-054W24H	E-2	B-30	CS9/12
PDIC-07550A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
PDIC-07550B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
PDSH-07555A	M320/M415	SGT	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	CS6, 21,806'
PDSH-07555B	M320/M415	SGT	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	CS6, 21,806'
PDSHL-07553A	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
PDSHL-07553B	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07550A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07550B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07553A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07553B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A1	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A2	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A3	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B1	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B2	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B3	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDT-07550A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
PDT-07550B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
PDT-07553A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS9/12,806'
PDT-07553B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS9/12,806'
PDT-07554A1	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554A2	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R5/32,818'
PDT-07554A3	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554B1	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554B2	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R5/32,818'
PDT-07554B3	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDY-07550A	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07550B	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07554A	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07554B	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4/21,806'
TDIC-07552A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
TDIC-07552B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
TDM-07560	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
TDSL-07552A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
TDSL-07552B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
TDY-07552A	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
TDY-07552B	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
TE-07551A	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS9/12,806

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-07551B	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS9/12,806
TE-07552A1	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2,D	B-40	CS9/12,806
TE-07552A2	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2	B-40	CS9/12
TE-07552B1	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2,D	B-40	CS9/12,806
TE-07552B2	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2	B-40	CS9/12
TI-07551A	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07551B	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07552A1	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07552B1	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TIC07552A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*	B-34	CS4/21
TIC07552B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*	B-34	CS4/21
TT-07551A	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07551B	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07552A1	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552A2	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552B1	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552B2	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TY-07552A	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4, 21,806'
TY-07552A1	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TY-07552A1	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*	B-34	CS4, 21
TY-07552B	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4, 21,806'
TY-07552B1	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TY-07552B1	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*	B-34	CS4, 21
OC883A, PWRSUP	J03C	SGT	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	CS4/21,806'
OC883A, RACK	J03C	SGT	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	CS4/21,806'
OC883A, SHELF	J03C	SGT	SHELF - 4 UNIT	BAILEY CONTRLS	762040AAAN1	E-1*,D	B-34	CS4/21,806'
OC883A, SRU	J03C	SGT	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
OC883B, PWRSUP	J03C	SGT	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	CS4/21,806'
OC883B, RACK	J03C	SGT	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	CS4/21,806'
OC883B, SHELF	J03C	SGT	SHELF - 4 UNIT	BAILEY CONTRLS	762040AAAN1	E-1*,D	B-34	CS4/21,806'
OC883B, SRU	J03C	SGT	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
AN/FE-07801	M323C2	SGTS	SGTS EXHT VENT FLOW	AIR MONITOR CORP	N/A	D	N/A	CS,858'876
BDD 07551A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
BDD 07551B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
FE-07551	M323C-1	SGTS	AIR FLOW MONIT UNIT	AIR MONITOR CORP	N/A	D	N/A	CS,826'-3"
FIC-07551A	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		729'
FIC-07551B	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		729'
FR-07553A	J03C	SGTS	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FR-07553B	J03C	SGTS	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
OV-109A	M399C	SGTS	MOTR/"F" INSULATION	WESTINGHOUSE	326 T	E-1*	B-26	CS8 (12)
OV-109B	M399C	SGTS	MOTR/"F" INSULATION	WESTINGHOUSE	326 T	E-1*	B-26	CS8 (12)
OV-144A	M399C	SGTS	MOTR/"H" INSULATION	WESTINGHOUSE	213T	E-2	B-26	CS7, 21
OV-144B	M399C	SGTS	MOTR/"H" INSULATION	WESTINGHOUSE	213T	E-2	B-26	CS7, 21
PDIC-07554A	J03C	SGTS	CONTROLLERS	BAILEY	701002AABN1	D		729'
PDIC-07554B	J03C	SGTS	CONTROLLERS	BAILEY	701002AABN1	D		729'
TIC-07552A	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		806'
TIC-07552B	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		806'
1C201	J03C	SGTS	SPECIAL SRU'S	BAILEY	766100BAAN2WCA	D		670'
1C201	J03C	SGTS	SPECIAL SRU'S	BAILEY		D		670'
2C201	J03C	SGTS	SPECIAL SRU'S	BAILEY	766100BAAN2WCB	D		670'
2C201	J03C	SGTS	SPECIAL SRU'S	BAILEY		D		670'
HV-1F006	P14A	SLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1J/29,749
HV-2F006	P14A	SLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1J/34,749
HV-15766	P12A	SPF	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A, 27
HV-15768	P12A	SPF	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 27
HV-25766	P12A	SPF	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A/32,645
HV-25768	P12A	SPF	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A/30,645
SV-22361	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/
SV-22365	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLC/33,670
SV-22366	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLC/32,683
SV-22368	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-22369	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/
PY-15709A	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-15709B	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		729'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PY-25709A	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		741'
PY-25709B	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		698'
TI-25725A	J03C	SUPP CHMB	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
TT-25725A	J03C	SUPP CHMBR	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		670'
LI-25776A2	J03C	SUPP POOL	INDICATORS	BAILEY	775121ABBM2	D		670'
LR-15776A	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-15776B	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-25776A	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-25776B	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
HV-10943A2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,656'
HV-10943A2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 8226-PX-MOD. A	D		R,656'
HV-10943B2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,656'
HV-10943B2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 853/642 SR60	D		R,656'
HV-11024A1	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024A1	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 8226-PX-MOD. A	D		R;683'
HV-11024A2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024A2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 853/642 SR60	D		R,683'
HV-11024B1	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024B1	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 8226-PX-MOD. A	D		R,683'
HV-11024B2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024B2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 853/642 SR60	D		R,683'
CM-136	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-137	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-144	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-145	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-146	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-147	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-148	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16A	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16B	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16C	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
1C-201	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		670
1C-601	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		729
1C-622	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		754
1C-623	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		698
1CB-243	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		645
1CB244	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		645
SV-12360A	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/29,683
SV-12360B	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/29,683
SV-12361	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1M/27,683
SV-12362A	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/28,683
SV-12362B	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/28,683
SV-12364	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1G/29,670
SV-12365	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1C/28,683
SV-12366	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1C/27,683
SV-12368	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/28,719
SV-12369	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/27,719
SV-12374	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1K/29,719
SY-25001B	J03C	TURB SPEED	ISOLATORS	BAILEY	740111AAAN2	D		670'
FV-08301A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
FV-08301B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F004	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F005	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F019	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		670
HV-1F020	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F025	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F026	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F037A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		704
HV-1F037B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		704
HV-1F088	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		
HV-1F100	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		683
HV-1F111A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F111B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F122A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F122B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		
HV-1F129A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F129B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F136	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F137	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-15705	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		683
HV-15711	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		749
OC578	M334	028A	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		SW,704'
OC579	M334	028A	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		SW,704'
OC577A	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
OC577B	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
OC577C	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
OC577D	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
HV-11313	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11313	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11314	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11314	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11345	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11345	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11346	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11346	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-21313	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	670
HV-21313	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	670
HV-21314	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	670
HV-21314	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	670
HV-21345	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-21345	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-21346	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-21346	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-1F010	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-1F010	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-1F031	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-1F031	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-1F059	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-00-5-0	D	M	670
HV-1F059	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	10" HBB-GT-MO-V	D	M	670
HV-2F010	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-2F010	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-2F031	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-2F031	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-2F059	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-0-5-0	D	M	670
HV-2F059	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	10" HBB-GT-MO-V	D	M	670
HV-1F004A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-1F004A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	24" HBB-GT-MO-V	D	M	645
HV-1F004B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F004B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F004C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-1F006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-1F006B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F006B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F006C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F006C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F006D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F006D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F016A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	12" GBB-GB-MO-V	D	M	749
HV-1F016A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-2-25-0	D	M	749
HV-1F016B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	12" GBB-GB-MO-V	D	M	761
HV-1F016B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-2-25-0	D	M	761
HV-1F024A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-3-100-0	D	M	683
HV-1F024A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	18" GBB-GB-MO-V	D	M	683
HV-1F024B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F024B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-3-100	D	M	683
HV-1F027A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-75-0	D	M	683
HV-1F027A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	6" GBB-GB-MO-V	D	M	683
HV-1F027B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-75	D	M	683
HV-1F027B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683
HV-1F040	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	683
HV-1F040	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	4" GBB-GB-MO-V	D	M	683
HV-1F048A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	24" GBB-GB-MO-V	D	M	683
HV-1F048A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-4-200-0	D	M	683
HV-1F066	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	670
HV-1F066	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	670
HV-14006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	670
HV-14006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	670
HV-2F001B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-15	D	M	645
HV-2F001B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	24" HBB-GT-MO-V	D	M	645
HV-2F004A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F004B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F004C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F004D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F004D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-2F006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F006B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F006B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F006C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F001A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-1F001A	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F001B	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15	D	M	645
HV-1F001B	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F015A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-1-40-0	D	M	683
HV-1F015A	P12A	152	GLOBE VALVE, MOTOR	ANCHOR DARLING	10" GBB-GB-MO-V	D	M	683
HV-1F015B	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-1-40	D	M	683
HV-1F015B	P12A	152	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683
HV-2F001A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F001A	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F004	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F004	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-1F042	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F042	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-0015-0	D	M	645
HV-1F075	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-1F075	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-1F079	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-1F079	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-2F004	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-2F004	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F042	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F042	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-2F066	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-2F066	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F075	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-2F075	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-2F079	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-2F079	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-15766	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-15766	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-15768	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-15768	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-25766	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-25766	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-25768	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-25768	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
TSH-08206A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206C	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206D	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-18201A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-18201B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206C	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206D	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-18201A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-18201B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08271A	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271B	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271C	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271D	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271A	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271B	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271C	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271D	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
FSL-07842A	M320	30A	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07842B	M320	30A	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07841A	M320	30B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07841B	M320	30B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07871A	M320	30D	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07871B	M320	30D	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07801A	M320	30L	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07801B	M320	30L	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
OC877A	M334	30L	CONTROL PANELS	COMSIP CUSTOMLN	N/A	D		CS,783'
OC877B	M334	30L	CONTROL PANELS	COMSIP CUSTOMLN	N/A	D		CS,783'
FSL-07821A	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07821B	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07831A	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07831B	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-08621A	M320	30O	FLOW SWITCHES	FLUID COMPNTS	SR-875			CS,806'
FSL-08621B	M320	30O	FLOW SWITCHES	FLUID COMPNTS	SR-875			CS,806'
LG-08634A	M320	30O	LVL GAGE W/GGE COCKS	JERGUSON	16-R-20			C,806'
LG-08634B	M320	30O	LVL GAGE W/GGE COCKS	JERGUSON	16-R-20			C,806'
FSL-17657A	M320	34B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17657B	M320	34B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17601A	M320	34I	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17601B	M320	34I	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17602A	M320	34N	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17602B	M320	34N	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17630A	M320	34O	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			719'
FSL-17630B	M320	34O	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			719'
OC886A	M321-3	70A	SGTS HETER CONT PAN	CVI CORP.	N/A	D		CS,806'V
OC886B	M321-3	70A	SGTS HETER CONT PAN	CVI CORP.	N/A	D		CS,806'V

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24113G2	B21C-F013G2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113G1	B21C-F013G1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113G2	B21C-F013G2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113G1	B21C-F013G1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113J2	B21C-F013J2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113J1	B21C-F013J1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113J2	B21C-F013J2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113J1	B21C-F013J1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113K2	B21C-F013K2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113K1	B21C-F013K1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113K2	B21C-F013K2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113K1	B21C-F013K1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113L2	B21C-F013L2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113L1	B21C-F013L1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113L2	B21C-F013L2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113L1	B21C-F013L1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113M2	B21C-F013M2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113M1	B21C-F013M1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113M2	B21C-F013M2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113M1	B21C-F013M1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113N2	B21C-F013N2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113N1	B21C-F013N1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113N2	B21C-F013N2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113N1	B21C-F013N1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
1C628	H12-P628	AUTO D CH	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	URR,754'
SV-14735D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14741A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14741C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14747A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14747B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14747C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14748D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14751B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14751D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14759A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14759C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14761A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14761C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14768D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14771B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14771D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14773B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14778B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14778C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14779C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14781A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14781C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14788B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14788D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14789A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14791B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14792D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14793C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14794A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14795D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14796A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14797D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14798B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14734B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14731D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14731B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14729C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14728B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14725D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14724B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14727D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14726C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14736A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14736C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14736D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14737B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14737C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14737D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14738A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14738B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14738D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14739A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14739C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14739D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14741A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14741C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14742A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14742B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14742C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14742D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14743A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14743B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14743C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14743D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14744A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14744B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14744C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14744D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14745A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14745B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14745C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14745D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14746A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14746C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14746D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14747A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14747B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14747C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14748D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14751B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14751D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14753C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14759A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14759C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14761A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14761C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14768D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14771B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14771D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14775A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14778B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14778C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14779C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14781A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14781C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14788B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14788D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14789A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14791B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14792D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14793C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14794A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14795D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14796A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14797D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14798B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-24722C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24723A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24724B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24725D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24726C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24727D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24728B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24729C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24731B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24731D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24732A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24732B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24732C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24732D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24734B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24741A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24741C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24748D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24751B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24751D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24754D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24759A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24759C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24761A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24761C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24768D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24771B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24771D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24776A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24776B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24776C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24778B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24778C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24779C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24781A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24781C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24788B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24788D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24789A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24791B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24792D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24793C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24794A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24795D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24796A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24797D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24798B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-14735C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14735B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14735A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14734D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14734C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14734B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14734A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14733D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14733C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14733B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14733A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14732D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14732C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14732B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14732A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14731D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14731B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14729C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14728B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14727D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14726C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14725D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14724B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-2F009B	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	33-4/R1K/719
SV-2F009A	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	33-4/R1K/719
SV-1F009B	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	28-4/R1K/719
SV-1F009A	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	28-4/R1K/719
HV-1F010A	C12-F010A	CRD	CRD VENT VALVE	HAMAL DAHL	502FFC62CA79	D*	M	719
HV-1F010B	C12-F010B	CRD	CRD VENT VALVE	HAMAL DAHL	502FFC62CA79	D*	M	719
HV-1F011A	C12-F011A	CRD	CRD DRAIN VALVE	HAMAL DAHL	502JFC62EA79	D*	M	719
HV-1F011B	C12-F011B	CRD	CRD DRAIN VALVE	HAMAL DAHL	502JFC62EA79	D*	M	719
SV-110A	C12-F110A	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	33-4/R1K
SV-110A	C12-F110A	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	28-4/R1K
SV-110B	C12-F110B	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	28-4/R1K
SV-110B	C12-F110B	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	33-4/R1K
LSH-2N013A	C12-N013A	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
LSH-1N013A	C12-N013A	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013B	C12-N013B	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013B	C12-N013B	CRD	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013C	C12-N013C	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013C	C12-N013C	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013D	C12-N013D	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013D	C12-N013D	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013E	C12-N013E	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-4/R1K
LSH-1N013E	C12-N013E	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013F	C12-N013F	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-4/R1K
LSH-1N013F	C12-N013F	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013G	C12-N013G	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
LSH-1N013G	C12-N013G	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	28-4/R1K
LSH-2N013H	C12-N013H	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
LSH-1N013H	C12-N013H	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	29-4/R1K
FT-1N003A	E11-N003A	CS	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
FT-1N003B	E11-N003B	CS	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
2P206A	E21-C001A	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	32-1/R1A
1P206A	E21-C001A	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	27-1/R1A,649
2P206B	E21-C001B	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	30-1/R1A
1P206B	E21-C001B	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	25-1/R1A,649
2P206C	E21-C001C	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	32-1/R1A
1P206C	E21-C001C	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	27-1/R1A,649
2P206D	E21-C001D	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	30-1/R1A
1P206D	E21-C001D	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	25-1/R1A,649
PT-2N001A	E21-N001A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*	N-48B	32-1/R1A/645
PT-1N001A	E21-N001A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*,D	N-48B,C	27-1/R1A/645
PT-2N001B	E21-N001B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*	N-48B	30-1/R1A
PT-1N001B	E21-N001B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*,D	N-48B,C	25-1/R1A/645
FE-1N002A	E21-N002A	CS	CS FLW ORIFICE	DANIEL	14"300#ANS RF-WN	D	M	683
FE-1N002B	E21-N002B	CS	CS FLW ORIFICE	DANIEL	14"300#ANS RF-WN	D	M	683
FT-2N003A	E21-N003A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2	N-48A	32-3/R1M
FT-1N003A	E21-N003A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2,D	N-48A,C	27-3/R1M/683
FT-2N003B	E21-N003B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2	N-48A	30-3/R1M
FT-1N003B	E21-N003B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2,D	N-48A,C	25-3/R1M/683
FIS-2N006A	E21-N006A	CS	SWITCH, PRESS.	BARTON	289	E-2	N-26	32-3/R1M
FIS-1N006A	E21-N006A	CS	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	27-3/R1M/683
FIS-2N006B	E21-N006B	CS	SWITCH, PRESS.	BARTON	289	E-2	N-26	30-3/R1M/683
FIS-1N006B	E21-N006B	CS	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	25-3/R1M
PSH-1N007A	E21-N007A	CS	PRESSURE SWITCH	BARKSDALE	B2T-A1255	D	C	RX,739'
PSH-1N007B	E21-N007B	CS	PRESSURE SWITCH	BARKSDALE	B2T-A1255	D	C	RX,739'
PS-2N008A	E21-N008A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	28-2/R1M
PS-1N008A	E21-N008A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PS-2N008B	E21-N008B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	32-1/R1A
PS-1N008B	E21-N008B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PS-2N009A	E21-N009A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
PS-1N009A	E21-N009A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-1/R1A/645
PS-2N009B	E21-N009B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	32-1/R1A

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PS-1N009B	E21-N009B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PI-1R001A	E21-R001A	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,645
PI-1R001C	E21-R001C	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,645
PI-1R001B	E21-R001B	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R001D	E21-R001D	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R004	E41-R004	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1C626	H12-P626	CS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
1C627	H12-P627	CS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
1C001	H23-P001	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-1/R1A/645
2C001	H23-P001	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-1/R1A/645
2C019	H23-P019	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-1/R1A/645
1C019	H23-P019	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-1/R1A/645
1C612	H12-P612	FEEDWATER	UPPER & LWR RR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
ITC612	H12-P700	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC613	H12-P701	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC614	H12-P702	GUE	TERMINATION CABINETS	GENERAL E	NONE			754
1TC615	H12-P703	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC623	H12-P704	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC624	H12-P705	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC625	H12-P706	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC611	H12-P730	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC625	H12-P731	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC622	H12-P732	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1C668	H12-P870	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	729
1P209	E41-C001	HPCI	HPCI PUMP	BYRON JACKSON	71150783	D*	M	645
1S211	E41-C002	HPCI	HPCI TURBINE	TERRY TURBINE		D*	M	645
TB-0195 (U2)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
TB-0194 (U2)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
TB-0078 (U1)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
TB-0077 (U1)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	28-1/R1B
PSL-2N001A	E41-N001A	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	33-3/R1M
PSL-1N001A	E41-N001A	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-1/R1H/683
PS-2N001B	E41-N001B	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-3/R1M
PS-1N001B	E41-N001B	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-3/R1M/683
PSL-2N001C	E41-N001C	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	33-3/R1M
PSL-1N001C	E41-N001C	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-3/R1M/683
PSL-2N001D	E41-N001D	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-3/R1M
PSL-1N001D	E41-N001D	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-3/R1M/683
LSLL-1N002	E41-N002	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D*	C	RX,670'
LSLL-1N003	E41-N003	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D*	C	RX,670'
PDIS-2N004	E41-N004	HPCI	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-3/R1M
PDIS-1N004	E41-N004	HPCI	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-3/R1M/645
PDIS-2N005	E41-N005	HPCI	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-3/R1M
PDIS-1N005	E41-N005	HPCI	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-3/R1M/683
FSHL-2N006	E41-N006	HPCI	SWITCH, PRESS.	BARTON	289A	E-2	N-26	30-1/R1A
FSHL-1N006	E41-N006	HPCI	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	25-1/R1A/645
FE-1N007	E41-N007	HPCI	HPCI FLW ORIFICE	DANIEL	14"600#ANS RF-WN	D	M	645
FT-1N008	E41-N008	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
FT-2N008	E41-N008	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
FT-1N009	E41-N009	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
FT-2N009	E41-N009	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
PSL-1N010	E41-N010	HPCI	SWITCH, PRESS.	SOR	6N-AA21	E-2,D	N-10,C	25-1/R1A/645
PSL-2N010	E41-N010	HPCI	SWITCH, PRESS.	SOR	5N-AA3,6N-AA2,6N-AA21	E-2	N-10	30-1/R1A
PSH-1N012A	E41-N012A	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	28-1/R1B/645
PSH-2N012A	E41-N012A	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	33-1/R1B
PSH-1N012B	E41-N012B	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	25-1/R1A/645
PSH-2N012B	E41-N012B	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	30-1/R1A
PSH-1N012C	E41-N012C	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	28-1/R1B/645
PSH-2N012C	E41-N012C	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	33-1/R1B
PSH-1N012D	E41-N012D	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	25-1/R1A/645
PSH-2N012D	E41-N012D	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	30-1/R1A
PT-1N013	E41-N013	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
PT-2N013	E41-N013	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
LSH-1N014	E41-N014	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D*	N-24	28-1/R1A,645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
LSH-2N014	E41-N014	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M14HY	E-2	N-24	33-1/R1A
LSH-1N015A	E41-N015A	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D*	N-24,C	27-2/R1A/670
LSH-2N015A	E41-N015A	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2	N-24	32-2/R1A
LSH-1N015B	E41-N015B	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D*	N-24,C	27-2/R1A/670
LSH-2N015B	E41-N015B	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	32-2/R1A
PT-1N016	E41-N016	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
PT-2N016	E41-N016	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
PSH-1N017A	E41-N017A	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	25-1/R1A/645
PSH-2N017A	E41-N017A	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	30-1/R1A
PSH-1N017B	E41-N017B	HPCI	SWITCH, PRESS.	SOR	6N-AA2,6N-AA21	E-2,D	N-10,C	25-1/R1A/645
PSH-2N017B	E41-N017B	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	30-1/R1A
LSH-1N018	E41-N018	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D	C	RX,645'
PT-2N019	E41-N019	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
PT-1N019	E41-N019	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
TE-2N024A	E41-N024A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N024A	E41-N024A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/664
TE-2N024B	E41-N024B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N024B	E41-N024B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/656
PS-2N027	E41-N027	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
PS-1N027	E41-N027	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-1/R1A/645
TE-2N028A	E41-N028A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N028A	E41-N028A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/663
TE-2N028B	E41-N028B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N028B	E41-N028B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/663
TE-2N029A	E41-N029A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1B
TE-1N029A	E41-N029A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1B/677
TE-2N029B	E41-N029B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1B
TE-1N029B	E41-N029B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1B677
TE-2N030A	E41-N030A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N030A	E41-N030A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B656
TE-2N030B	E41-N030B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N030B	E41-N030B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B658
PSH-2N031	E41-N031	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	30-1/R1A
PSH-1N031	E41-N031	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	25-1/R1A/645
PI-1R001	E41-R001	HPCI	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
TI-1R002	E41-R002	HPCI	TEMPERATURE INDICTR	GENERAL ELECTRIC	145C3103	D	C	RX,645'
PI-1R005	E41-R005	HPCI	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1C620	H12-P620	HPCI	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698
2C014	H23-P014	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-1/R1A/645
1C014	H23-P014	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-1/R1A/645
2C016	H23-P016	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-3/R1M/683
1C016	H23-P016	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-3/R1M/683
1C034	H23-P034	HPCI	24" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,645
2C036	H23-P036	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-3/R1M/
1C036	H23-P036	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-3/R1M/683
PI-1R003	E41-R003	HPCT	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1C613	H12-P613	INSTR CAB	UPPER & LWR RR PNLS	GENERAL ELECTRIC	N/A	D	P	URR,754'
SV-14113A	B21-F013A	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739'
SV-14113B	B21-F013B	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113C	B21-F013C	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113D	B21-F013D	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113E	B21-F013E	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113F	B21-F013F	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113G	B21-F013G	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113H	B21-F013H	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113J	B21-F013J	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113K	B21-F013K	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113L	B21-F013L	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113M	B21-F013M	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113N	B21-F013N	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113P	B21-F013P	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113R	B21-F013R	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-14113S	B21-F013S	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
HV-1F022A	B21-F022A	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F022B	B21-F022B	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F022C	B21-F022C	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F022D	B21-F022D	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028A	B21-F028A	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028B	B21-F028B	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028C	B21-F028C	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028D	B21-F028D	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
1C644	H12-P654	MS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
2E203A	E32-B001A	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203A	E32-B001A	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203B	E32-B001B	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203B	E32-B001B	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203C	E32-B001C	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203C	E32-B001C	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203D	E32-B001D	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203D	E32-B001D	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2K208	E32-C001	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	32-4/R1K
1K208	E32-C001	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	27-4/R1K,719
2K209A	E32-C002A	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	30-4/R1K
1K209A	E32-C002A	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	25-4/R1K,733
2K209B	E32-C002B	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	30-4/R1K
1K209B	E32-C002B	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	25-4/R1K,733
FE-2N006B	E32-N006B	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006B	E32-N006B	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006F	E32-N006F	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006F	E32-N006F	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006K	E32-N006K	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006K	E32-N006K	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006P	E32-N006P	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006P	E32-N006P	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
PT-2N050	E32-N050	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PT-1N050	E32-N050	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-5/R1M/749
PT-2N051B	E32-N051B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051B	E32-N051B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051F	E32-N051F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051F	E32-N051F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051K	E32-N051K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051K	E32-N051K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051P	E32-N051P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051P	E32-N051P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
FT-2N053B	E32-N053B	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053B	E32-N053B	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053F	E32-N053F	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053F	E32-N053F	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053K	E32-N053K	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053K	E32-N053K	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053P	E32-N053P	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053P	E32-N053P	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
PT-2N054	E32-N054	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N054	E32-N054	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N055	E32-N055	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N055	E32-N055	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-4/R1K/719
PT-2N056	E32-N056	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N056	E32-N056	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-1/R1K/719
PT-2N058	E32-N058	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-5/R1M
PT-1N058	E32-N058	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-5/R1M/749
PT-1N059	E32-N059	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-4/R1K/719
PT-2N060	E32-N060	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PT-2N061B	E32-N061B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061B	E32-N061B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061F	E32-N061F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061F	E32-N061F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061K	E32-N061K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061K	E32-N061K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PT-2N061P	E32-N061P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061P	E32-N061P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
1C645	H12-P655	MSIV-LC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
1C004	H23-P004	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-5/R1M/749
2C004	H23-P004	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-5/R1M
2C005	H23-P005	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-5/R1M
2C073	H23-P073	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/
1C073	H23-P073	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C074	H23-P074	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-4/R1K/
1C074	H23-P074	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-4/R1K/719
FE-1N051	B21-N051	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N052	B21-N052	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N053	B21-N053	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N054	B21-N054	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
SV-24113A	B21-F013A	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113A	B21-F013A	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113B	B21-F013B	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113B	B21-F013B	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113C	B21-F013C	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113C	B21-F013C	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113D	B21-F013D	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113D	B21-F013D	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113E	B21-F013E	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113E	B21-F013E	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113F	B21-F013F	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113F	B21-F013F	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113G	B21-F013G	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113G	B21-F013G	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113H	B21-F013H	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113H	B21-F013H	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113J	B21-F013J	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113J	B21-F013J	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113K	B21-F013K	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113K	B21-F013K	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113L	B21-F013L	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113L	B21-F013L	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113M	B21-F013M	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113M	B21-F013M	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113N	B21-F013N	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113N	B21-F013N	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113P	B21-F013P	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113P	B21-F013P	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113R	B21-F013R	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113R	B21-F013R	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113S	B21-F013S	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113S	B21-F013S	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
HV-2F022A	B21-F022A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
HV-1F022A	B21-F022A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
ZS-24122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
ZS-24122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D
ZS-14122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
ZS-14122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
HV-1F022B	B21-F022B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
ZS-14122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
HV-2F022B	B21-F022B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-24122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
ZS-24122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D
ZS-14122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1	N-68A	26-4/C2D
ZS-14122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
ZS-14122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
HV-2F022C	B21-F022C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
HV-1F022C	B21-F022C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
ZS-24122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
ZS-24122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F022D	B21-F022D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
ZS-24122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/CD2
ZS-14122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
ZS-14122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
HV-2F022D	B21-F022D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-24122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
HV-1F028A	B21-F028A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	25-4/R3
HV-2F028A	B21-F028A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	30-4/R3
ZS-24128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	30-4/R3
ZS-24128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	30-4/R3
ZS-14128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-14128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
HV-1F028B	B21-F028B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	25-4/R3
ZS-14128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
HV-2F028B	B21-F028B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	30-4/R3
ZS-24128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	30-4/R3
ZS-24128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	30-4/R3
ZS-14128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1	N-68A	25-4/R3
HV-1F028C	B21-F028C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	27-4/R3
ZS-24128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	32-4/R3
ZS-24128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	32-4/R3
HV-2F028C	B21-F028C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	32-4/R3
ZS-14128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
ZS-14128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
HV-1F028D	B21-F028D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	27-4/R3
ZS-24128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	32-4/R3
ZS-24128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	32-4/R3
ZS-14128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-14128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
HV-2F028D	B21-F028D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	32-4/R3
TE-1N004A	B21-N004A	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004B	B21-N004B	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004C	B21-N004C	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004D	B21-N004D	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004E	B21-N004E	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004F	B21-N004F	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004G	B21-N004G	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004H	B21-N004H	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004J	B21-N004J	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004K	B21-N004K	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004L	B21-N004L	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004M	B21-N004M	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004N	B21-N004N	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004P	B21-N004P	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004R	B21-N004R	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004S	B21-N004S	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
FIS-1N006A	B21-N006A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N006A	B21-N006A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N006B	B21-N006B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N006B	B21-N006B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N006C	B21-N006C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N006C	B21-N006C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N006D	B21-N006D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N006D	B21-N006D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N007A	B21-N007A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N007A	B21-N007A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N007B	B21-N007B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N007B	B21-N007B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N007C	B21-N007C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N007C	B21-N007C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N007D	B21-N007D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N007D	B21-N007D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N008A	B21-N008A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N008A	B21-N008A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FIS-1N008B	B21-N008B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N008B	B21-N008B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N008C	B21-N008C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N008C	B21-N008C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N008D	B21-N008D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N008D	B21-N008D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N009A	B21-N009A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-4/R1K/719
FIS-2N009A	B21-N009A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	32-4/R1K
FIS-1N009B	B21-N009B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-4/R1K/719
FIS-2N009B	B21-N009B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	32-4/R1K
FIS-1N009C	B21-N009C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N009C	B21-N009C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N009D	B21-N009D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719PF
FIS-2N009D	B21-N009D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
TE-1N010A	B21-N010A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010A	B21-N010A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N010B	B21-N010B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010B	B21-N010B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N010C	B21-N010C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010C	B21-N010C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	30-8/R3/744
TE-1N010D	B21-N010D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010D	B21-N010D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N014A	B21-N014A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-5/R3/749
TE-2N014A	B21-N014A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-8/R3
TE-1N014B	B21-N014B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-5/R3/749
TE-2N014B	B21-N014B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-8/R3
TE-1N014C	B21-N014C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-5/R3/749
TE-2N014C	B21-N014C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-5/R3
TE-1N014D	B21-N014D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-5/R3/749COL
TE-2N014D	B21-N014D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-5/R3
PSL-1N015A	B21-N015A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015A	B21-N015A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015B	B21-N015B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015B	B21-N015B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015C	B21-N015C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015C	B21-N015C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015D	B21-N015D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015D	B21-N015D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
TE-1N016A	B21-N016A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016A	B21-N016A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-5/R3
TE-1N016B	B21-N016B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/803
TE-2N016B	B21-N016B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-5/R3
TE-1N016C	B21-N016C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016C	B21-N016C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N016D	B21-N016D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016D	B21-N016D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
PS-1N020A	B21-N020A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N020A	B21-N020A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N020B	B21-N020B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N020B	B21-N020B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N020C	B21-N020C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N020C	B21-N020C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N020D	B21-N020D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N020D	B21-N020D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N021A	B21-N021A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M
PS-2N021A	B21-N021A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PIS-1N021B	B21-N021B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
PIS-2N021B	B21-N021B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
PS-1N021C	B21-N021C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-4/R1M/719
PS-2N021C	B21-N021C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	34-4/R1M
PIS-1N021D	B21-N021D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
PIS-2N021D	B21-N021D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
PS-1N021E	B21-N021E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M
PS-2N021E	B21-N021E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PS-1N021G	B21-N021G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-4/R1M/719
PS-2N021G	B21-N021G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	34-4/R1M
PS-1N022A	B21-N022A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022A	B21-N022A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022B	B21-N022B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022B	B21-N022B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022C	B21-N022C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022C	B21-N022C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022D	B21-N022D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022D	B21-N022D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022E	B21-N022E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022E	B21-N022E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022F	B21-N022F	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022F	B21-N022F	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022G	B21-N022G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022G	B21-N022G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022H	B21-N022H	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022H	B21-N022H	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022J	B21-N022J	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022J	B21-N022J	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022K	B21-N022K	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022K	B21-N022K	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-2N022L	B21-N022L	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-2N022M	B21-N022M	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022M	B21-N022M	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022N	B21-N022N	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022N	B21-N022N	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022P	B21-N022P	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022P	B21-N022P	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022R	B21-N022R	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022R	B21-N022R	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022S	B21-N022S	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N022S	B21-N022S	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N023A	B21-N023A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N023A	B21-N023A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N023B	B21-N023B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N023B	B21-N023B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N023C	B21-N023C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N023C	B21-N023C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N023D	B21-N023D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N023D	B21-N023D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
LIS-2N024A	B21-N024A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N024A	B21-N024A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N024B	B21-N024B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N024B	B21-N024B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
FIS-2N024C	B21-N024C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
FIS-1N024C	B21-N024C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
FIS-2N024D	B21-N024D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
FIS-1N024D	B21-N024D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-1N025C	B21-N025C	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	RB,749
LIS-1N025C	B21-N025D	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	RB,749
LITS-2N026A	B21-N026A	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	33-5/R1M
LITS-1N026A	B21-N026A	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-5/R1M/749
LITS-2N026B	B21-N026B	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	33-5/R1M
LITS-1N026B	B21-N026B	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-5/R1M/749
LITS-2N026C	B21-N026C	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-5/R1M
LITS-1N026C	B21-N026C	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	27-5/R1M/749
LITS-2N026D	B21-N026D	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-5/R1M
LITS-1N026D	B21-N026D	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	27-5/R1M/749
LT-1N027	B21-N027	NBS	XMITTER DIFF PRESS	RILEY	86	D	C	RB,749
LIS-1N031A	B21-N031A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N031A	B21-N031A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N031B	B21-N031B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-2N031B	B21-N031B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
LIS-1N031C	B21-N031C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N031C	B21-N031C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N031D	B21-N031D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-2N031D	B21-N031D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
PDT-1N032	B21-N032	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N033A	B21-N033A	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N033B	B21-N033B	NBS	XMITTER, FLOW	ROSEMOUNT	1151	D	C	RB,719
FT-1N033C	B21-N033C	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N033D	B21-N033D	NBS	XMITTER, FLOW	ROSEMOUNT	1151	D	C	RB,719
FT-1N034A	B21-N034A	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034B	B21-N034B	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034C	B21-N034C	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034D	B21-N034D	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034E	B21-N034E	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034F	B21-N034F	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034G	B21-N034G	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034H	B21-N034H	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034J	B21-N034J	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034K	B21-N034K	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034L	B21-N034L	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034M	B21-N034M	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034N	B21-N034N	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034P	B21-N034P	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034R	B21-N034R	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034S	B21-N034S	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034T	B21-N034T	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034V	B21-N034V	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034V	B21-N034V	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034W	B21-N034W	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
LITS-2N037A	B21-N037A	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	34-4/R1K
LITS-1N037A	B21-N037A	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-4/R1K/719
LITS-2N037B	B21-N037B	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-4/R1K
LITS-1N037B	B21-N037B	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	25-4/R1K/719
LIS-2N042A	B21-N042A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N042A	B21-N042A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N042B	B21-N042B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
LIS-1N042B	B21-N042B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
PS-2N045A	B21-N045A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N045A	B21-N045A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N045B	B21-N045B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N045B	B21-N045B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N045C	B21-N045C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N045C	B21-N045C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N045D	B21-N045D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N045D	B21-N045D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PT-2N055A	B21-N055A	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-5/R1M
PT-1N055A	B21-N055A	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-5/R1M/749
PT-2N055B	B21-N055B	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PT-1N055B	B21-N055B	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-5/R1M/749
PSH-1N056A	B21-N056A	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056B	B21-N056B	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056C	B21-N056C	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056D	B21-N056D	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PI-1R001	B21-R001	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	749
PI-1R004A	B21-R004A	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	749
LIS-1N025A	B21-R025A	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	749
LIS-1N025B	B21-R025B	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	749
PI-1R004B	B21-R004B	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,749
PDI-1R005	B21-R005	NBS	INDICATOR DIFF PRESS	BARTON	288	D	C	RB,719
PDT-1N004A	C32-N004A	NBS	DIFF PRES XMITTER	ROSEMOUNT	1151	D	C	749
PDT-1N004B	C32-N004B	NBS	XMITTER DIFF PRESS	ROSEMOUNT	1151	D	C	RB,749
PDT-1N004C	C32-N004C	NBS	DIFF PRES XMITTER	ROSEMOUNT	1151	D	C	749
PT-1N005	C32-N005	NBS	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	749
1C623	H12-P623	NBS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1C631	H12-P631	NBS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698
1C009	H23-P009	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C009	H23-P009	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/719
2C015	H23-P015	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-4/R1K/719
1C015	H23-P015	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-4/R1K/719
1C025	H23-P025	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C025	H23-P025	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/719
2C041	H23-P041	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/
1C041	H23-P041	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C042	H23-P042	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/
1C042	H23-P042	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
1C010	H23-P010	NBS,RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C010	H23-P010	NBS,RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/719
NONE (UNIT 2)	B11-D193	NM	POWER RANGE DET	GENERAL ELECTRIC	NA 200 (43 ITEMS)	E-2*	N-37	31-4/C2C, DRYWEL
NONE (UNIT 1)	B11-D193	NM	POWER RANGE DET	GENERAL ELECTRIC	NA 200 (43 ITEMS)	E-2*	N-37	26-4/C2C, DRYWEL
1C030	H23-P030	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683'
1C031	H23-P031	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683'
1C032	H23-P032	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683
1C033	H23-P033	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683
0C653	H12-P853	PL OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
RE-2N006A	D12-N006A	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006A	D12-N006A	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006B	D12-N006B	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006B	D12-N006B	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006C	D12-N006C	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006C	D12-N006C	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-1N006D	D12-N006D	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006D	D12-N006D	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-2N010A	D12-N010A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	32-8/R5
RE-1N010A	D12-N010A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	25-8/R5
RE-2N010B	D12-N010B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	32-8/R5
RE-1N010B	D12-N010B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	25-8/R5
RE-2N015A	D12-N015A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-7/R5
RE-1N015A	D12-N015A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	33-7/R5
RE-1N015B	D12-N015B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	29-7/R5
RE-2N015B	D12-N015B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	33-7/R5
RE-1N016A	D12-N016A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-4/R1M
RE-2N016A	D12-N016A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	34-4/R1M
RE-2N016B	D12-N016B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	34-4/R1M
RE-1N016B	D12-N016B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-4/R1M
RE-0N017A	D12-N017A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	21-7/CS8
RE-0N017B	D12-N017B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	21-7/CS8
1C608	H12-P608	PRM	CON RM URR&LRR PLNS	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C606	H12-P606	RAD MON	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	URR,754'
1C633	H12-P633	RAD MON	UPPER & LWR RR PNLS	GENERAL E	NONE	D	P	LRR,698'
1P203	E51-C001	RCIC	RCIC PUMP	B. WILLIAMETTE	6X6X10-.5CP	D	M	645
1S212	E51-C002	RCIC	RCIC TURBINE	TERRY TURBINE	GS2N	D	M	645
FE-1N001	E51-N001	RCIC	RCIC FLW ORIFICE	DANIEL	6"600#ANS-RF-WN	D	M	645
FSHL-2N002	E51-N002	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-1/R1H
FSHL-1N002	E51-N002	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-1/R1H/645
FT-1N003	E51-N003	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
FT-2N003	E51-N003	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
FT-2N004	E51-N004	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
FT-1N004	E51-N004	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
PT-2N005	E51-N005	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PT-1N005	E51-N005	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
PSL-1N006	E51-N006	RCIC	SWITCH, PRESS.	SOR	6N-AA21	E-2,D	N-10,C	28-1/R1H/645
PCL-2N006	E51-N006	RCIC	SWITCH, PRESS.	SOR	6N-AA21	E-2	N-10	33-1/R1H
PT-1N007	E51-N007	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
PT-2N007	E51-N007	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PT-2N008	E51-N008	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PT-1N008	E51-N008	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48BC	28-1/R1H/645
PSH-2N009A	E51-N009A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N009A	E51-N009A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSH-2N009B	E51-N009B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N009B	E51-N009B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
LSH-2N010	E51-N010	RCIC	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-1/R1H
LSH-1N010	E51-N010	RCIC	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-1/R1H/645
TE-1N011A	E51-N011A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/660
TE-2N011A	E51-N011A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N011B	E51-N011B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/662
TE-2N011B	E51-N011B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
PSH-2N012A	E51-N012A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N012A	E51-N012A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N012B	E51-N012B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-2/R1M
PSH-1N012B	E51-N012B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	25-3/R1M/670
PSH-1N012C	E51-N012C	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N012C	E51-N012C	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N012D	E51-N012D	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-2/R1M/670
PSH-2N012D	E51-N012D	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-2/R1M
PDIS-1N017	E51-N017	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
PDIS-2N017	E51-N017	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
PDIS-1N018	E51-N018	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-4/R1K/719
PDIS-2N018	E51-N018	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-4/R1K
PSL-1N019A	E51-N019A	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-4/R1K/719
PSL-2N019A	E51-N019A	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-4/R1K
PSL-1N019B	E51-N019B	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-4/R1K/719
PSL-2N019B	E51-N019B	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-4/R1K
PSL-1N019C	E51-N019C	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-4/R1K/719
PSL-2N019C	E51-N019C	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-4/R1K
PSL-1N019D	E51-N019D	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-4/R1K/719
PSL-2N019D	E51-N019D	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-4/R1K
PSH-1N020	E51-N020	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-3,C	25-1/R1H/645
PSH-2N020	E51-N020	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
TE-1N021A	E51-N021A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N021A	E51-N021A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-2N021B	E51-N021B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-1N021B	E51-N021B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-1N022A	E51-N022A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N022A	E51-N022A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-1N022B	E51-N022B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1H/675
TE-2N022B	E51-N022B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1H
TE-1N023A	E51-N023A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/657
TE-2N023A	E51-N023A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-2N023B	E51-N023B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N023B	E51-N023B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/647
TE-2N025A	E51-N025A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1H
TE-1N025A	E51-N025A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1H/679
TE-1N025B	E51-N025B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/709
TE-2N025B	E51-N025B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-2N025C	E51-N025C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N025C	E51-N025C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N025D	E51-N025D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N025D	E51-N025D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/710
TE-2N026A	E51-N026A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026A	E51-N026A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/708
TE-1N026B	E51-N026B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/706
TE-2N026B	E51-N026B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-2N026C	E51-N026C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026C	E51-N026C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/708
TE-2N026D	E51-N026D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026D	E51-N026D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/709
TE-2N027A	E51-N027A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N027A	E51-N027A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/713
TE-2N027B	E51-N027B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-3/R1H
TE-1N027B	E51-N027B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-3/R1H/709
TE-1N027C	E51-N027C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/712
TE-2N027C	E51-N027C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-1N027D	E51-N027D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/712
TE-2N027D	E51-N027D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
PSH-2N030	E51-N030	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N030	E51-N030	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PI-1R001	E51-R001	RCIC	PRESSURE INDICATOR	ROSEMOUNT	1151	D	C	645
PI-1R002	E51-R002	RCIC	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	645
PI-1R003	E51-R003	RCIC	PRESSURE INDICATOR	ROSEMOUNT	1151	D	C	645
PI-1R004	E51-R004	RCIC	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	645
TI-1N005	E51-R005	RCIC	TEMPERATURE INDICTR	GENERAL ELECTRIC	145C3103	D	M	RX,645'
1C601	H12-P601	RCIC	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C621	H12-P621	RCIC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
1C622	H12-P622	RCIC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
2C017	H23-P017	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-1/R1H/645
1C017	H23-P017	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-1/R1H/645
2C035	H23-P035	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/
1C035	H23-P035	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C037	H23-P037	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-2/R1M/
1C037	H23-P037	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-2/R1M/670
2C038	H23-P038	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-4/R1K/
1C038	H23-P038	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-4/R1K/719
1C006	H23-P006	RECIRC	96" LOCAL RACKS	GENERAL ELECTRIC	N/A	D	C	R,683'
1C022	H23-P022	RECIRC	120" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,683'
PS-2N018B	B31-N018B	RHR	SWITCH, PRESS.	SOR	5N-AA2,6N-AA2,6N-AA21	E-2	N-10	33-3/R1M
PS-1N018B	B31-N018B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
1E205A	E11-B001	RHR	RHR HEAT EXCHANGER	MLW INDUSTRIES	63-259	D	M	646'11
1E205B	E11-B001	RHR	RHR HEAT EXCHANGER	MLW INDUSTRIES	63-259	D	M	678'10
1P202A	E11-C002A	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	29-1/R1G,649
2P202A	E11-C002A	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	33-1/R1G,649
1P202B	E11-C002B	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	28-1/R1G,649
2P202B	E11-C002B	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	34-1/R1G,649
2P202C	E11-C002C	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	33-1/R1G,649
1P202C	E11-C002C	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	29-1/R1G,649
1P202D	E11-C002D	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	28-1/R1G,649
2P202D	E11-C002D	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,C	34-1/R1G,649
FT-2N007A	E11-N007A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-1/R1M
FT-1N007A	E11-N007A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-1/R1M/645
FT-2N007B	E11-N007B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
FT-1N007B	E11-N007B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/645
LT-1N008A	E11-N008A	RHR	PRES.&DIFF.PRES.XMTR	ITT BARTON	269 & 368/352	D	C	R,645'
LT-1N008B	E11-N008B	RHR	PRES.&DIFF.PRES.XMTR	ITT BARTON	269 & 368/352	D	C	R,645'
TE-1N009A	E11-N009A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/678
TE-2N009A	E11-N009A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N009B	E11-N009B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/676
TE-2N009B	E11-N009B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N009C	E11-N009C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/676
TE-2N009C	E11-N009C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N009D	E11-N009D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/678
TE-2N009D	E11-N009D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
PS-1N010A	E11-N010A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N010A	E11-N010A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-2N010B	E11-N010B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N010B	E11-N010B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N010C	E11-N010C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N010C	E11-N010C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N010D	E11-N010D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N010D	E11-N010D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-1N011A	E11-N011A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N011A	E11-N011A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N011B	E11-N011B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N011B	E11-N011B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-2N011C	E11-N011C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N011C	E11-N011C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N011D	E11-N011D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N011D	E11-N011D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FE-1N012	E11-N012	RHR	RHR SYS FLW ORIFICE	DANIEL	6"300#ANS RF-WN	D	M	683
FT-1N013	E11-N013	RHR	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
PT-2N013	E11-N013	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M
PT-1N013	E11-N013	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	27-3/R1M
FE-1N014A	E11-N014A	RHR	RHR SYS FLW ORIFICE	DANIEL	24"300#AND RF-WN	D	M	683
FE-1N014B	E11-N014A	RHR	RHR SYS FLW ORIFICE	DANIEL	24"300#AND RF-WN	D	M	683
FT-1N015A	E11-N015A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/687
FT-2N015A	E11-N015A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N015B	E11-N015B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/688
FT-2N015B	E11-N015B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
PS-1N016A	E11-N016A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N016A	E11-N016A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-2N016B	E11-N016B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PS-1N016B	E11-N016B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N016C	E11-N016C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-1N016C	E11-N016C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-1N016D	E11-N016D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N016D	E11-N016D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PSH-1N018	E11-N018	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/688
PSH-2N018	E11-N018	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PDIS-1N019A	E11-N019A	RHR	SWITCH, PRESS.	BARTON	288A	E-2	N-26	27-3/R1M
PDIS-1N019A	E11-N019A	RHR	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	32-3/R1M/683
PDIS-1N019B	E11-N019B	RHR	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	33-3/R1M/683
PDIS-1N019B	E11-N019B	RHR	SWITCH, PRESS.	BARTON	288A	E-2	N-26	28-3/R1M
PS-1N020A	E11-N020A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N020A	E11-N020A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-2N020B	E11-N020B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PS-1N020B	E11-N020B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-1N020C	E11-N020C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N020C	E11-N020C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-2N020D	E11-N020D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PS-1N020D	E11-N020D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
FS-2N021A	E11-N021A	RHR	SWITCH, PRESS.	BARTON	289A	E-2	N-26	34-3/R1M/687
FS-1N021A	E11-N021A	RHR	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	27-3/R1M/687
FS-1N021B	E11-N021B	RHR	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	28-3/R1M/686
FS-2N021B	E11-N021B	RHR	SWITCH, PRESS.	BARTON	289A	E-2	N-26	33-3/R1M/686
PSH-1N022A	E11-N022A	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-3/R1C/687
PSH-2N022A	E11-N022A	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	32-3/R1C
PSH-1N022B	E11-N022B	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,D	27-3/R1C/686
PSH-2N022B	E11-N022B	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-3/R1C
LSH-1N023A	E11-N023A	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	29-2/R1G/670
LSH-2N023A	E11-N023A	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-2/R1G
LSH-1N023B	E11-N023B	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-2/R1G/670
LSH-2N023B	E11-N023B	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-2/R1G
LSH-1N024	E11-N024	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	29-2/R1G/670
LSH-2N024	E11-N024	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-2/R1G
PT-1N026A	E11-N026A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-1/R1M/645
PT-2N026A	E11-N026A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-1/R1M
PT-1N026B	E11-N026B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
PT-2N026B	E11-N026B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
PT-1N028	E11-N028	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
PT-2N028	E11-N028	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
TE-1N029A	E11-N029A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G671
TE-2N029A	E11-N029A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N029B	E11-N029B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/671
TE-2N029B	E11-N029B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N029C	E11-N029C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G671
TE-2N029C	E11-N029C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N029D	E11-N029D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/671
TE-2N029D	E11-N029D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N030A	E11-N030A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/676
TE-2N030A	E11-N030A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N030B	E11-N030B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/673
TE-2N030B	E11-N030B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-1N030C	E11-N030C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/677
TE-2N030C	E11-N030C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N030D	E11-N030D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/673
TE-2N030D	E11-N030D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
FS-1N033A	E11-N033A	RHR	FLOW SWITCH	FISHER & POTTER	613B	D	C	670
FS-1N033B	E11-N033B	RHR	FLOW SWITCH	FISHER & POTTER	613B	D	C	670
PI-1R002A	E11-R002A	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002C	E11-R002C	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002B	E11-R002D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002D	E11-R002D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003A	E11-R003A	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003B	E11-R003B	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003B	E11-R003B	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003C	E11-R003C	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003D	E11-R003D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
2C018	H23-P018	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-1/R1M/645
1C018	H23-P018	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-1/R1M/645
2C021	H23-P021	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-3/R1M/683
1C021	H23-P021	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-3/R1M/683
1C617	H12-P617	RHR/HPCI	CON RM UPP&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	URR,754'
1C618	H12-P618	RHR/RCIC	CON RM UPP&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
PSH-2N002A	C72-N002A	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PSH-1N002A	C72-N002A	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PSH-2N002B	C72-N002B	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PSH-1N002B	C72-N002B	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PSH-2N002C	C72-N002C	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PSH-1N002C	C72-N002C	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PSH-2N002D	C72-N002D	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PSH-1N002D	C72-N002D	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PSH-2N003A	C72-N003A	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	20-3/T2A
PSH-1N003A	C72-N003A	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	5-3/T2A/704
PSH-2N003B	C72-N003B	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	16-3/T1A
PSH-1N003B	C72-N003B	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	1-3/T1A/704
PSH-2N003C	C72-N003C	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	20-3/T2A
PSH-1N003C	C72-N003C	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	5-3/T2A/704
PSH-2N003D	C72-N003D	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	15-3/T2A
PSH-1N003D	C72-N003D	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	2-3/T2A/704
PSL-1N005A	C72-N005A	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005B	C72-N005B	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005C	C72-N005C	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005D	C72-N005D	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
1C609	H12-P609	RPS	CON RM URR&LRR PLNS	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C611	H12-P611	RPS	CON RM URR&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
2C058	H23-P058	RPS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-6/R1F/
1C058	H23-P058	RPS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-6/R1F/779
2C057	H23-P057	RPS,RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-6/R4/
1C057	H23-P057	RPS,RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-6/R4/779
1P401A	B31-C001A	RR	RECIRC PUMP & MOTOR	BYRON JACKSON	DVSS	D	M	708
1P401B	B31-C001B	RR	RECIRC PUMP & MOTOR	BYRON JACKSON	DVSS	D	M	708
HV-1F023A	B31-F023A	RR	RECIRC SUCTION VALVE	LUKENHEIMER	D-13017	D	M	708
HV-1F023A	B31-F023A	RR	RECIRC SUCT.ACTUATOR	LIMITORQUE	SMB-00-25	D	M	708
HV-1F023B	B31-F023B	RR	RECIRC SUCTION VALVE	LUKENHEIMER	D-13017	D	M	708
HV-1F023B	B31-F023B	RR	RECIRC SUCT.ACTUATOR	LIMITORQUE	SMB-00-25	D	M	708
HV-2F031A	B31-F031A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-3-100	E-2	N-79	31-4/C2D
HV-1F031A	B31-F031A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SB-3-100	E-2,D	N-79,M	26-4/C2D/720
HV-2F031B	B31-F031B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-3-100	E-2	N-79	31-4/C2D
HV-1F031B	B31-F031B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SB-3-100	E-2,D	N-79,M	26-4/C2D/720
HV-2F032A	B31-F032A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2	N-79	31-4/C2D
HV-1F032A	B31-F032A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2,D	N-79,M	26-4/C2D/720
HV-2F032B	B31-F032B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2	N-79	31-4/C2D
HV-1F032B	B31-F032B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2,D	N-79,M	26-4/C2D/720
FT-2N014A	B31-N014A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M
FT-1N014A	B31-N014A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/683
FT-2N014B	B31-N014B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FT-1N014B	B31-N014B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C27-3/R1M/683
FT-2N014C	B31-N014C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-3/R1M
FT-1N014C	B31-N014C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C25-3/R1M/687
FT-2N014D	B31-N014D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-3/R1M
FT-1N014D	B31-N014D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C25-3/R1M/687
PS-2N018A	B31-N018A	RR	SWITCH, PRESS.	BARTON	288	E-2	N-26	32-3/R1M
PS-1N018A	B31-N018A	RR	SWITCH, PRESS.	BARTON	288	E-2,D	N-26,C	27-3/R1M/749
HV-1F023A	B31-N023A	RR	TEMPERATURE ELEMENT	GENERAL ELECTRIC	159C4520	D	C	RX,704'
HV-1F023B	B31-N023B	RR	TEMPERATURE ELEMENT	GENERAL ELECTRIC	159C4520	D	C	RX,704'
FT-2N024A	B31-N024A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N024A	B31-N024A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C27-3/R1M/687
FT-2N024B	B31-N024B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N024B	B31-N024B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C27-1/R1M/687
FT-2N024C	B31-N024C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
FT-1N024C	B31-N024C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C28-3/R1M/683
FT-2N024D	B31-N024D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
FT-1N024D	B31-N024D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C28-3/R1M/683
NONE	F18-E001	RSE	FUEL PREP MACHINE	GE	PPD-28X759G2	D	M	818
NONE	F18-E001	RSE	FUEL PREP MACHINE	GE	PPD-28X759G1	D	M	818
OS215A	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS215B	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS215C	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS223	F19-E008	RSE	DRYER & SLING	GE	PPD-767E438-P3	D	M	799
OS237	F20-E002	RSE	CONTROL ROD GRAPPLE	GE	PPD-767E593	D	M	818
	F21-E003	RSE	REFUELING PLATFORM	PRS	PPD-767E892	D	M	818
OS252A	F22-E006A	RSE	INVESSEL STG.RACK'A'			D	M	818
OS252B	F22-E006B	RSE	INVESSEL STG.RACK'B'			D	M	818
NONE	F22-E009	RSE	DFCT. FUEL STG. CON.	GE	PPD-117C2072G004	D	M	801'10"
NONE	F22-E012	RSE	NEW FUEL STG. RACK	GE	PPD-767E426	D	M	801'10"
1C005	H23-P005	RVLP	144' LOCAL PANELS	GENERAL ELECTRIC	N/A	D	C	R,749
2C002	H23-P002	RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-5/R1M
1C002	H23-P002	RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-5/R1M/749
PT-2N059	E32-N059	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N060	E32-N060	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C27-5/R1K/749
FT-1N012	G33-N012	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A	C28-5/R1M/749
FT-2N012	G33-N012	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M/749
TE-1N016A	G33-N016A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ769
TE-2N016A	G33-N016A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-2N016B	G33-N016B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N016B	G33-N016B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ753
TE-1N016C	G33-N016C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1 D,E,J
TE-2N016C	G33-N016C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016D	G33-N016D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1 D,E,J
TE-2N016D	G33-N016D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016E	G33-N016E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ753
TE-2N016E	G33-N016E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-2N016F	G33-N016F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016F	G33-N016F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ756
TE-2N022A	G33-N022A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N022A	G33-N022A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ763
TE-1N022B	G33-N022B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF763
TE-2N022B	G33-N022B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N022C	G33-N022C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF768
TE-2N022C	G33-N022C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N022D	G33-N022D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF768
TE-2N022D	G33-N022D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N022E	G33-N022E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N022E	G33-N022E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF762
TE-1N022F	G33-N022F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF762
TE-2N022F	G33-N022F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N023A	G33-N023A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023A	G33-N023A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
TE-2N023B	G33-N023B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023B	G33-N023B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF753

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-1N023C	G33-N023C	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N023C	G33-N023C	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N023D	G33-N023D	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023D	G33-N023D	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF753
TE-1N023E	G33-N023E	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
TE-2N023E	G33-N023E	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N023F	G33-N023F	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023F	G33-N023F	RHCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
FT-1N036	G33-N036	RHCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-5/R1M/749
FT-2N036	G33-N036	RHCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M/749
FT-2N041	G33-N041	RHCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M
FT-1N041	G33-N041	RHCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-5/R1M/749
PDSH-1N044A	G33-N044A	RHCU	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	29-4/R1K/719
PDSH-2N044A	G33-N044A	RHCU	SWITCH, PRESS.	BARTON	289	E-2	N-26	34-4/R1K
PDSH-1N044B	G33-N044B	RHCU	SWITCH	BARTON	289	D	C	RB,719
PDSH-2N044B	G33-N044B	RHCU	SWITCH, PRESS.	BARTON	289A	E-2	N-26	30-4/R1K
PDSH-1N044B	G33-N044B	RHCU	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	25-4/R1K/719
1T204	C41-A001	SBLC	SBLC STORAGE TANK	ALPHA TANK	3243-26-1	D	M	749
1T207A	C41-A003	SBLC	SBLC ACCUMULATOR	GREER HYD.	A70555-200	D	M	749
1T207B	C41-A003	SBLC	SBLC ACCUMULATOR	GREER HYD.	A70555-200	D	M	749
1P208A	C41-C001	SBLC	SBLC PUMP ASSEMBLY	UNION PUMP	TD-60	D	M	749
1P208B	C41-C001	SBLC	SBLC PUMP ASSEMBLY	UNION PUMP	TD-60	D	M	749
1F004A	C41-F004A	SBLC	SBLC EXPLOSIVEVALVE	CONAX	1832-162-01	D	M	779
1F004B	C41-F004B	SBLC	SBLC EXPLOSIVEVALVE	CONAX	1832-162-01	D	M	779
TSHL-1N003	C41-N003	SBLC	TEMPERATURE ELEMENT	WEED	157C4629	D	C	RX,750'
PI-1R003	C41-R003	SBLC	PRESSURE GAUGE	ROBERT SHAW	613B	D	C	RX,753'
PT-1N004	C42-N004	SBLC	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,753'
1C011	H23-P011	SBLC	30" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,749'
1C614	H12-P614	TEMP RECB	CON RM URR&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	CS, 729'
1C680C	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680B	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680A	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680F	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680E	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680D	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
	M164		CRD VENT VLV PLAT	NISCO	N/A	D	N/A	R,719'
AN/FE-07801	M323C2	SGTS	SGTS EXHT VENT FLOW	AIR MONITOR CORP	N/A	D	N/A	CS,858'876
AR-15746A	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-15746B	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-25746A	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
AR-25746B	J03C	CONT HYDRN	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
BDD 07551A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
BDD 07551B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
BDD 17521	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
BDD 17522	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDD-27521	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDD-27522	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
BDID 17603A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17603B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17604A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17604B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/27,683'
BDID 17605A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17605B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17606A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/25,749'
BDID 17606B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/25,749'
BDID 17609A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17609B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/27,719'
BDID 17652A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17652B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17653A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17653B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/28,749'
BDID 17659A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/28,749'
BDID 17659B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/28,749'
BDID 17667A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17667B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17668A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/29,683'
BDID 17668B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/29,683'
BDID 17669A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/25,749'
BDID 17669B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/25,749'
BDID 17670A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17670B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17671A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17671B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,683'
BDID 17674A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17674B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17675A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 17675B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/28,670'
BDID 27603A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27603B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27604A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27604B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1M/32,683'
BDID 27605A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27605B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27606A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/32,749'
BDID 27606B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R3/32,749'
BDID 27609A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27609B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2	B-31B	R1K/32,719'
BDID 27652A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34,749'
BDID 27652B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34,749'
BDID 27653A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34
BDID 27653B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1D/34
BDID 27668A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/34
BDID 27668B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/34
BDID 27669A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/32
BDID 27669B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-2*	B-31B	R1E/32
BDID 27670A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27670B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27671A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27671B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
BDID 27674A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27674B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27675A	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID 27675B	M336A	RBHVAC	REL SOL, BDID	ASCO	X8018A4/SB31AMR/TA31	E-1	B-31B	R1M/33
BDID-27667A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,670'
BDID-27667B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,670'
B12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
CM-136	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-137	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-144	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-145	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1H/28
CM-146	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-147	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-148	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16A	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16B	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
CM-16C	J98	TM	ISOLATOR, SIGNAL	VALIDYNE	CM249	E-2	B-47	R1M/25
C02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-14-600V	E-2	B-11	OUTSD CO
D11	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-10-600V	E-2	B-11	OUTSD CO
D12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
D13	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-10-600V	E-2	B-11	OUTSD CO
D14	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-10-600V	E-2	B-11	OUTSD CO
D21	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-2-600V	E-2	B-11	OUTSD CO
D22	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-2-600V	E-2	B-11	OUTSD CO
D23	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-2-600V	E-2	B-11	OUTSD CO
D42	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-4-600V	E-2	B-11	OUTSD CO
D61	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-6-600V	E-2	B-11	OUTSD CO
D62	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-6-600V	E-2	B-11	OUTSD CO
D63	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-6-600V	E-2	B-11	OUTSD CO
D81	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	1/C-8-600V	E-2	B-11	OUTSD CO
D82	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-8-600V	E-2	B-11	OUTSD CO
D83	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-8-600V	E-2	B-11	OUTSD CO
FDM 07816A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS8/12
FDM 07816B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS8/12
FDM-07551A2	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
FDM-07551B2	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
FE-012200A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FE-012200B	J31	ESW	ANNUBAR FLOW ELMNTS	DIETRICH STAND	ANF85	D		678
FE-01570A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FE-02812A	J31	ESW	ANNUBAR FLOW ELMTS	DIETRICH STAND	ANF 85	D		678
FE-07551	M323C-1	SGTS	AIR FLOW MONIT UNIT	AIR MONITOR CORP	N/A	D	N/A	CS,826'-3"
FI-07555	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4, 21,806
FI-07557	J03C	RECIRC	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-08612A	J03C	CS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-08612B	J03C	CS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-08623A	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-08623B	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
FI-11207B	J03C	RHRSW	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FI-14903	J03C	RCIC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FI-15105	J03C	RHR	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670
FI-21207A	J03C	RHR	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		670'
FI-24903	J03C	RCIC	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
FI-25105	J03C	RHR	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
FIC-07551A	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		729'
FIC-07551B	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		729'
FIC-07816A	J03C	EOAS	CONTROLLERS	BAILEY	701002AAAN1	D		729'
FIC-07816B	J03C	EOAS	CONTROLLERS	BAILEY	701002AAAN1	D		729'
FIC-14903	J03C	RCIC	CONTROLLER	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	R1M/25,670'
FIC-24903	J03C	RCIC	CONROLLERS	BAILEY	701002AAAN1	D		670'
FO-14101	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14106A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14106D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FO-14107A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14107D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14108D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14241	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		806
FO-14243A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-14243B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-14245A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14245B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14247A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14247B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-14251A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14251D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14253D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14255	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14259A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14259U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14261	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14314A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314A4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14314B4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14318A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14318B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14330B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-14401	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-14411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FO-14909B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-14909D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-15109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15204A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-15204B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-15555A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-15555D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24101	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24106A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24106D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24107C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24107D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24108D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24241	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		806
FO-24243A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24243B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		779
FO-24245A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24245B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24247A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24247B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-24251A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24251D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24253D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24255	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24259A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24259U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24314A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FO-24314A3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314A4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B3	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24314B4	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24318A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24318B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330A1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330A2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330B1	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24330B2	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-24401	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		739
FO-24411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-24909C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
FO-24909D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
FO-25109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25204A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-25204B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		761
FO-25261	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
FO-25555A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FO-25555D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		704
FR-07553A	J03C	SGTS	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FR-07553B	J03C	SGTS	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FR-07816A	J03C	EOA	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FR-07816B	J03C	EOA	RECORDERS	BAILEY	771311AAAA2WAR	D		729'
FSH-17601A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17601B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17602A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17602B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17630A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17630B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 29
FSH-17657A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1M, 29
FSH-17657B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1M, 29
FSH-27601A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27601B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27602A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27602B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27630A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 34
FSH-27630B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 34
FSH-27657A	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSH-27657B	M320/M415	RBHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	R1I, 33
FSHL-08612A	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08612B	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08623A	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSHL-08623B	J03C	CS	DUAL ALARM UNIT	BAILEY	745210AAAN2	D		729'
FSL-07551A	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*	B-34	CS4/21,806'
FSL-07551B	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*	B-34	CS4/21,806'
FSL-07801A	M320	30L	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07801B	M320	30L	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07811A	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
FSL-07811B	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS6/21,806'
FSL-07821A	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07821B	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FSL-07831A	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07831B	M320	30M	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07841A	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS4, 21
FSL-07841A	M320	30B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07841B	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS4, 21
FSL-07841B	M320	30B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07842A	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS6, 21
FSL-07842A	M320	30A	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07842B	M320/M415	CSHVAC	SWITCH, FLOW	FLUID COMPONTS	12-64-4D	E-2	B-29	CS6, 21
FSL-07842B	M320	30A	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			806'
FSL-07871A	M320	30D	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-07871B	M320	30D	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			783'
FSL-08621A	M320/M415	CSCW	SWITCH, FLOW	FLUID COMPONTS	SR8-75	E-2	B-29	CS4, 21
FSL-08621A	M320	30O	FLOW SWITCHES	FLUID COMPNTS	SR-875			CS,806'
FSL-08621B	M320	30O	FLOW SWITCHES	FLUID COMPNTS	SR-875			CS,806'
FSL-08621B	M320/M415	CSCW	SWITCH, FLOW	FLUID COMPONTS	SR8-75	E-2	B-29	CS4, 21
FSL-11207A	J03C	RHR SW	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	R1M/25,670'
FSL-11207B	J03C	RHR SW	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	R1M/25,670'
FSL-17601A	M320	34I	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17601B	M320	34I	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17602A	M320	34N	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17602B	M320	34N	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17630A	M320	34O	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			719'
FSL-17630B	M320	34O	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			719'
FSL-17657A	M320	34B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-17657B	M320	34B	FLOW SWITCHES	FLUID COMPNTS	12-64-4D			749'
FSL-21207A	J03C	RHRSW	ALARM UNIT (SINGLE)	BAILEY	745110AAAN2	D		670'
FSL-21207B	J03C	RHRSW	ALARM UNIT (SINGLE)	BAILEY	745110AAAN2	D		698'
FT-01109A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01109B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01204A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01204A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01204B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01204B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01220A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-01220A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		676
FT-01220B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
FT-01220B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC OUTSIDE
FT-07551A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
FT-07551B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
FT-07555	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	CS6/21,806'
FT-07557	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R1F/27,779'
FT-07816A	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS8/12,806'
FT-07816B	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS8/12,806'
FT-08612A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08612A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08612B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08612B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08623A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FT-08623A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08623B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		783
FT-08623B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,783'
FV-08301A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
FV-08301B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
FY-01109A1	J03C	ESW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		754'
FY-01109A2	J03C	ESW	ISOLATORS	BAILEY	740111AAAN2	D		754'
FY-01109B1	J03C	ESW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		754'
FY-01109B2	J03C	ESW	ISOLATORS	BAILEY	740111AAAN2	D		698'
FY-07551A	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07551B	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07555	J03C	SGT	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07557	J03C	RECIRC	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-07816A1	J03C	CSHVAC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS4, 21,806'
FY-07816B1	J03C	CSHVAC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	CS6, 21,806'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FY-08612A	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08612B	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08623A	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-08623B	J03C	CSCW	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		729'
FY-11207A1	J03C	RHRSW	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M, 25,670'
FY-11207A1,VD	J03C	RHRSW	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M, 25,670'
FY-11207B	J03C	RHRSW	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M, 25,670'
FY-11207B,VD	J03C	RHRSW	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M, 25,670'
FY-14903	J03C	RCIC	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	R1N, 25,670'
FY-14903A	J03	RCIC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M/25,670'
FY-14903A,VD	J03C	RCIC	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M, 25,670'
FY-15105	J03C	RHR	EXTRACTOR, SQ. ROOT	BAILEY CONTRLS	750010AAAN2	E-1*,D	B-34	R1N, 25,670'
FY-21207A	J03C	RHR	ISOLATORS	BAILEY	740111AAAN2	D		670'
FY-24903A	J03C	RCIC	ISOLATORS	BAILEY	740111AAAN2	D		670'
FY-24903B	J03C	RCIC	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		670'
FY-25105	J03C	RHR	EXTRACTOR, SQ. ROOT	BAILEY	750010AAAN2	D		670'
F04	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	#4/0 1/C AL	E-2	B-10	R1I, G,
F10	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	1000 KCMIL 1/C AL	E-2	B-10	R1I, G,
F50	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	500 KCMIL 1/C AL	E-2	B-10	R1I, G,
F61	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	6 AWG 1/C COPPER	E-2	B-10	R1I, G,
F75	E129	GUE	CBL, 5KV N-SHLD PW	KERITE CO.	750 KCMIL 1/C AL	E-2	B-10	R1I, G,
HD -07543A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -07543B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -07801A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07801B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07802A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07802B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07821A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07821B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824A4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824A5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824A6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07824B5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07824B6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HD -07831A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07831B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07833A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07833B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07871A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07871B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HD -07872A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07872B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07873A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07873B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HD -07889	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HD -17502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17530A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17530B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HD -17531A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17531B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -17534F	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17538	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -17538A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HD -17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -17576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -17651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HD -27502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534D	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27534G	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27534I	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HD -27538A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HD -27538B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HD -27564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HD -27651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HDM 27601A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27601B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27602A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27602B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27630A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1K/34
HDM 27630B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1K/34
HDM 27657A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM 27657B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/33
HDM-07543A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-07543B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-07545A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-07545B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-07552A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07552B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07553A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07553B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07555A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07555B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
HDM-07801A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07801B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07802A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HDM-07802B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07811A	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07811B	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07812A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07812B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07813A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07813B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07814A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07814B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/12
HDM-07821A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07821B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824A4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824A5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824A6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B3	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B4	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07824B5	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07824B6	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	SPARE
HDM-07831A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07831B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07833A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07833B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07841A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS4/21
HDM-07841B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS4/21
HDM-07842A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07842B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07871A1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871A2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871B1	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07871B2	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,783'
HDM-07872A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07872B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07873A	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07873B	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,806'
HDM-07882A	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07882B	M336A	CSHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS7/21
HDM-07889	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HDM-07890	M336A	CSHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	CS,741'
HDM-17502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17508A	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17508B	M336A	SGTS	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17514B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17530A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17530B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17531A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17531B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17534F	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17538A1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HDM-17538A2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-17538B1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17538B2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-17564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-17576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-17601A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-17601B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R2/29
HDM-17602A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17602B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17630A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17630B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HDM-17657A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-17657B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1M/29
HDM-27502A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27502B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27508A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27508B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27514A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27524B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27534B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27534C	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534D	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27534E	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27534G	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534H	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27534I	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,799'
HDM-27538A1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-27538A2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,857'
HDM-27538B1	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27538B2	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,818'
HDM-27564A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27564B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27576A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27576B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27586A	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27586B	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,779'
HDM-27651	M336A	RBHVAC	DAMPERS/ACUTATORS	AM. WARM & VENT		D	N/A	R,749'
HIC-07555A	J03C	SGT	SET STATION	BAILEY CONTRLS	714000AAAN2	E-1*,D	B-34	CS4/21,806'
HIC-07555B	J03C	SGT	SET STATION	BAILEY CONTRLS	714000AAAN2	E-1*,D	B-34	CS4/21,806'
HSS-14901A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14902A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14902B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14903A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14903B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14904A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-14905A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15110A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15111A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15111B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15112A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15112B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15113A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15113B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15114A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15114B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15115A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HSS-15115B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15116A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15116B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15117A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-15117B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 25,670'
HSS-24901A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24902A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24902B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24903A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24903B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24904A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-24905A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25110A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25111A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25111B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25112A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25112B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25113A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25113B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25114A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25114B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25115A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25115B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25116A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25116B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25117A	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HSS-25117B	E155	GUE	SWITCH, TRANSFER	GEN ELEC	SB-1	E-2,D	B-22A	R1P, 32,670'
HV 1F017A	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GB-MO	D		R683
HV 1F020	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBB-GB-MO	D		R719
HV-AF006A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 29
HV-AF006B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 28
HV-E-41F006	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-E-41F006	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-F011A	P11A	FC	MOTOR OPERATED	LIMITORQUE	SMB-4-150-0	D	M	752
HV-F011A	P11A	FC	GATE VALVE, MOTOR	ANCHOR DARLING	DLA-GT-MO-V	D	M	752
HV-F011B	P11A	FC	GATE VALVE, MOTOR	ANCHOR DARLING	DLA-GT-MO-V	D	M	752
HV-F011B	P11A	FC	MOTOR OPERATED	LIMITORQUE	SMB-4-150-0	D	M	752
HV-F032A	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-F032B	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-F032B	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0F009A	P16A	CRWS	GEAR OPERATOR	MATRYX	8226 PXMOD. A	D		R,670'
HV-0F009A	P16A	CRWS	BTRFLY VLVS,GEAR	150#JAMESBURY	20" P16A-HCB-001	D		R,670'
HV-0F009B	P16A	CRWS	BTRFLY VLVS,GEAR	150#JAMESBURY	20" 8865-P16-AC14	D		R,670'
HV-0F009B	P16A	CRWS	GEAR OPERATOR	MATRYX	8226 PXMOD. A	D		R,670'
HV-011005	P16A	ESW	BTRFLY VLVS,GEAR	150#JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011005	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011006	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011006	P16A	ESW	BTRFLY VLVS,GEAR	150#JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011007	P16A	ESW	BTRFLY VLVS,GEAR	150#JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011007	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-011008	P16A	ESW	BTRFLY VLVS,GEAR	150#JAMESBURY	18" HBC-BF-GO	D		R,685'
HV-011008	P16A	ESW	GEAR OPERATOR	MATRYX	8856-P16-AC-13	D		R,685'
HV-01110A	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110B	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01110C	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110D	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01110D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112A	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112B	P16	ESW	BTTRFLY VLVS,MTR	150#JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-01112C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01112D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01112D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01120D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01120D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122A	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122A	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122B	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122B	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122C	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-01122C	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122D	P16	ESW	BTTRFLY VLVS,MTR 150#	JAMESBURY	8" HBC-WBF-MO	D		R,660'
HV-01122D	P16	ESW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,660'
HV-012012	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	36" HBC-BF-MO-V	D		R,678'
HV-012012	P16A	RHR SW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,678'
HV-012013	P16A	RHR SW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,678'
HV-012013	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	36" HBC-BF-MO-V	D		R,678'
HV-012029	P12B	DG	GATE VLVS, GEAR	PACIFIC	3" HBC-GT-GO	D		SW678
HV-012029	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012030	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012032	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-012033	P12B	RHR SW	GATE VLVS, GEAR	PACIFIC	150#	D		R678
HV-01222A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	36" HBC-BF-MO	D		R,678'
HV-01222A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-25	D		R,678'
HV-01222B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,678'
HV-01222B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	36" HBC-BF-MO	D		R,678'
HV-01224A1	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,678'
HV-01224A1	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	30" HBC-WBF-MO	D		R,678'
HV-01224A2	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,678'
HV-01224A2	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	24" HBC-BF-MO	D		R,678'
HV-01224B1	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,678'
HV-01224B1	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	30" HBC-WBF-MO	D		R,678'
HV-01224B2	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	24" HBC-BF-MO	D		R,678'
HV-01224B2	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,678'
HV-0551B	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0551B	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0651A	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0651A	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-0651C	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-0651C	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-07551A1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551A4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B2	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B3	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-07551B4	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
HV-08601A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08601B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08602A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-08602B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08603A	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08603B	P15B	CSCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1I/28,749
HV-08613A	P16	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,783'
HV-08613A	P16	CSCW	BTTRFLY VLVS,MTR 150#	JAMESBURY	6" HBC-WBF-MO	D		R,783'
HV-08613B	P16	CSCW	BTTRFLY VLVS,MTR 150#	JAMESBURY	6" HBC-WBF-MO	D		R,783'
HV-08613B	P16	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,783'
HV-1F028	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F029	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F001	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R739
HV-1F001	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R739
HV-1F001	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 26
HV-1F001	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1B, 28
HV-1F001	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GT-MO	D		R645
HV-1F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-1F001	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,779
HV-1F001	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F001A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 27
HV-1F001A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-1F001A	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F001A	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
HV-1F001B	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15	D	M	645
HV-1F001B	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F001B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 25
HV-1F001B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001B	P12B	HPCI	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
HV-1F001B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F001K	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001K	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001P	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F001P	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F001P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002	P10A	HPCI	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	C2B, 26
HV-1F002	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-1F002	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-EBA-GT-MO	D		R704
HV-1F002	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F002	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,779
HV-1F002A	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F002B	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R719
HV-1F002B	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002B	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002B	P12B	CRD	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R719
HV-1F002B	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F002F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002K	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F002K	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002P	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F002P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F002P	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-1F003	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-EBA-GT-MO	D		R704
HV-1F003	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C, 28
HV-1F003A	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 29
HV-1F003A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-1F003A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F003B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-1F003B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F003B	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 28
HV-1F003B	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003B	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003F	P15B	MSIV LC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003F	P15B	MSIV LC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F003K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/27,719
HV-1F003P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F003P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F004	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F004	P10A	RHCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R749
HV-1F004	P10A	RHCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R749
HV-1F004	P10A	RHCU	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1E, 27
HV-1F004	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-1F004	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F004	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 28
HV-1F004	P12B	RR	GATE VLVS, GEAR	PACIFIC	16" HBB-MO	D		R656
HV-1F004A	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3, 27
HV-1F004A	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-1F004A	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F004A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-1F004A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	24" HBB-GT-MO-V	D	M	645
HV-1F004A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 29
HV-1F004B	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-1F004B	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F004B	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3, 25
HV-1F004B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F004B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 28
HV-1F004C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F004C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F004D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F005	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F005	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-1F005	P15A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,779'
HV-1F005A	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3/27,749
HV-1F005A	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F005A	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-1F005B	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-1F005B	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-1F005B	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R3/25,749
HV-1F006	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SB-3-150	E-1	B-48	R3, 25
HV-1F006	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R749
HV-1F006	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	14"-DBB-GT-MO	D		R749
HV-1F006	P14A	SLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1J/29,749
HV-1F006	P15B	MSIVLCC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F006	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F006	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/27,719
HV-1F006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-1F006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-1F006A	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-1F006B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F006B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F006B	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-1F006C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-1F006C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F006D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F006D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-1F007	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	14"-DBB-GT-MO	D		R670
HV-1F007	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R670
HV-1F007	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F007	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F007	P10A	RCIC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	C2B, 26
HV-1F007	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SB-3-150	E-1	B-48	R1M, 25
HV-1F007	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F007	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F007	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/27,719
HV-1F007A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 29
HV-1F007A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO-V	D		R,670'
HV-1F007A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R,670'
HV-1F007A	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F007B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO	D		R,670'
HV-1F007B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R,670'
HV-1F007B	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-75	D		R683
HV-1F007B	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GB-MO	D		R683
HV-1F007B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 28
HV-1F007B	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F008	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-80	E-1	B-48	R1M, 25
HV-1F008	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1C, 28
HV-1F008	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F008	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F008	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB	D		R670
HV-1F008	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GB-MO	D		R670
HV-1F008	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1C/28,683
HV-1F008	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F008	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R704
HV-1F008	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F008	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R704
HV-1F008	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F009	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/25,719
HV-1F009	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-1F009	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R719
HV-1F009	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R719
HV-1F009	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-1F009	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-80	E-1	B-48	C2B/26,719
HV-1F010	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-1F010	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-1F010	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 28
HV-1F010	P12B	HVACEDS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F010A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-1F010A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 29
HV-1F010A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO-V	D		R,683'
HV-1F010B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 28
HV-1F010B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO	D		R,683'
HV-1F010B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-1F011	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GT-MO	D		R645
HV-1F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-1F011	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1A, 25
HV-1F011A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 29
HV-1F011A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F011A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-1F011A	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 26
HV-1F011B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F011B	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 26
HV-1F011B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-1F011B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 28
HV-1F012	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1M, 28
HV-1F012	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1B, 28
HV-1F012	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-1F012	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	6"-DBB-GT-MO	D		R670
HV-1F012	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R670

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F012	P10A	HPCI	GATE VLVS, MOTOR ANCHOR DARLING		4"-EBG-GT-MO	D		R670
HV-1F013	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R749
HV-1F013	P10A	RCIC	GATE VLVS, MOTOR ANCHOR DARLING		6"-DBB-GT-MO	D		R749
HV-1F013	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 27
HV-1F015A	P12A	152	GLOBE VALVE, MOTOR	ANCHOR DARLING	10" GBB-GB-MO-V	D	M	683
HV-1F015A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-1-40-0	D	M	683
HV-1F015A	P17A	RHR	GATE VLVS, MOTOR ANCHOR DARLING		24"-DCA-GT-MO	D		R704
HV-1F015A	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-1F015A	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/29,683
HV-1F015B	P12A	152	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683
HV-1F015B	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-1-40	D	M	683
HV-1F015B	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-1F015B	P17A	RHR	GATE VLVS, MOTOR ANCHOR DARLING		24"-DCA-GT-MO	D		R704
HV-1F015B	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/28,683
HV-1F016	P10A	NBS	GATE VLVS, MOTOR ANCHOR DARLING		3"-DBA-GT-MO	D		R719
HV-1F016	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 26
HV-1F016	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-1F016	P12B	RCIC	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-1F016A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-2-25-0	D	M	749
HV-1F016A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	12" GBB-GB-MO-V	D	M	749
HV-1F016A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J, 29
HV-1F016B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-2-25-0	D	M	761
HV-1F016B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	12" GBB-GB-MO-V	D	M	761
HV-1F016B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R3, 25
HV-1F017A	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 29
HV-1F017A	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB	D		R683
HV-1F017B	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 28
HV-1F019	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		670
HV-1F019	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-1F019	P10A	NB	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R3, 26
HV-1F019	P10A	NBS	GATE VLVS, MOTOR ANCHOR DARLING		3"-DBA-GT-MO	D		R719
HV-1F019	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1N/28,645
HV-1F019	P15A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,670'
HV-1F019	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-1F020	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F020	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R3, 25
HV-1F020	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB	D		R719
HV-1F021A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J, 29
HV-1F021A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-1F021A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,749'
HV-1F021B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 25
HV-1F021B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-1F021B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO	D		R,749'
HV-1F022	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB- 0-15	E-1	B-48	R1M, 25
HV-1F022	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-3-80	D		R670
HV-1F022	P10A	RCIC	GATE VLVS, MOTOR ANCHOR DARLING		4"-DBB-GB-MO	D		R670
HV-1F022	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-15	E-1	B-48	C2B/26,719
HV-1F022	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-15	D		R719
HV-1F022	P17A	RHR	GATE VLVS, MOTOR ANCHOR DARLING		6" -DCA-GT-MO	D		R719
HV-1F023	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R683
HV-1F023	P17A	RHR	GATE VLVS, MOTOR ANCHOR DARLING		900#	D		R683
HV-1F023	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/29,683
HV-1F024A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-3-100-0	D	M	683
HV-1F024A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	18" GBB-GB-MO-V	D	M	683
HV-1F024A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C, 27
HV-1F024B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683
HV-1F024B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-3-100	D	M	683
HV-1F024B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C, 25
HV-1F025	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F025	J65	RCIC,HPCI	CONTROL VALVE	MASONEILA	38-20761	D		645
HV-1F026	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F026	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F026A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 29
HV-1F026A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F026A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-1F026B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-1F026B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G, 28
HV-1F026B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-1F027A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C, 29
HV-1F027A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-75-0	D	M	683
HV-1F027A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	6" GBB-GB-MO-V	D	M	683
HV-1F027B	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	GBB-GB-MO	D	M	683
HV-1F027B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-75	D	M	683
HV-1F027B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C, 28
HV-1F028A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,683'
HV-1F028A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C, 27
HV-1F028A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO-V	D		R,683'
HV-1F028B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,683'
HV-1F028B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO	D		R,683'
HV-1F028B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C, 25
HV-1F031	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 28
HV-1F031	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-1F031	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-1F031A	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO-V	D		R,670'
HV-1F031A	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-1F031A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M, 27
HV-1F031B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-1F031B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M, 25
HV-1F031B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO	D		R,670'
HV-1F032A	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 27
HV-1F032B	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 25
HV-1F037A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		704
HV-1F037B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		704
HV-1F040	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	683
HV-1F040	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-1F040	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	4" GBB-GB-MO-V	D	M	683
HV-1F042	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 28
HV-1F042	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 28
HV-1F042	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-0015-0	D	M	645
HV-1F042	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-1F042	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-1F042	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R749
HV-1F045	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1H, 28
HV-1F045	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R645
HV-1F045	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R645
HV-1F046	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/28,645
HV-1F046	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-1F047A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F047A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-1F047A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 29
HV-1F047B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 28
HV-1F047B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-1F047B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-1F048A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C, 29
HV-1F048A	P12A	151	GLOBE VALVE, MOTOR	ANCHOR DARLING	24" GBB-GB-MO-V	D	M	683
HV-1F048A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-4-200-0	D	M	683
HV-1F048B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-1F048B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C, 28
HV-1F048B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO	D		R,683'
HV-1F049	P12A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-1F049A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-1F049A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-1F053A	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F053B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F059	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	10" HBB-GT-MO-V	D	M	670
HV-1F059	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-00-5-0	D	M	670
HV-1F059	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R1N, 28
HV-1F059	P15A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/28,645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F059	P15A	HPCI	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-1F060	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/28,670
HV-1F060	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-1F060A	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F060B	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F062	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-1F062	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/28,670
HV-1F062	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F066	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R1B, 28
HV-1F066	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	670
HV-1F066	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	670
HV-1F067	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-1F073A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F073A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F073A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/29,670
HV-1F073B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F073B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F073B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/28,670
HV-1F074A	J65	RHRSW	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F074A	J65	RCIC,HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		R,645'
HV-1F074B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F074B	J65	RCIC,HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		R,645'
HV-1F075	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-1F075	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-1F075	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B, 28
HV-1F075A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F075A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/29,645
HV-1F075A	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F075A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F075A	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F075B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-1F075B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/28,645
HV-1F075B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F079	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-1F079	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B, 28
HV-1F079	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-1F084	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-1F084	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-1F084	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/28,670
HV-1F088	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		
HV-1F100	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		683
HV-1F100	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F100	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F101	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R719
HV-1F101	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R719
HV-1F102	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R704
HV-1F102	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GB-MO	D		R704
HV-1F103A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F103A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F103B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 28
HV-1F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-1F104	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-1F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-1F104A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F104B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-1F104B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-1F106	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-1F106	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-1F111A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F111B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F122A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		
HV-1F122B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		
HV-1F129A	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F129B	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		
HV-1F136	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-1F137	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761	D		645
HV-10569	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10569	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10570	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10570	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10603A	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-10603A	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-10603B	P11A	FC	AIR OPERATED	SHEFFER	SAFX7CCY	D	M	749
HV-10603B	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-1	D	M	749
HV-10603C	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-10603C	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-10640	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749
HV-10640	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
HV-108027	P12B	CRWS	GATE VLVS, GEAR	PACIFIC	150#	D		R656
HV-108027	P12B	CS I	GATE VLVS, GEAR	PACIFIC	16" HBB-GO	D		R656
HV-10943A2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,656'
HV-10943A2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 8226-PX-MOD. A	D		R,656'
HV-10943B2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,656'
HV-10943B2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 853/642 SR60	D		R,656'
HV-11024A1	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024A1	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 8226-PX-MOD. A	D		R,683'
HV-11024A2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 853/642 SR60	D		R,683'
HV-11024A2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024B1	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 8226-PX-MOD. A	D		R,683'
HV-11024B1	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024B2	P16A	SW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,683'
HV-11024B2	P16A	SW	BTTRFLY VLVS,AIR 150#	JAMESBURY	10" 853/642 SR60	D		R,683'
HV-111102	P16A	ESW	GEAR OPERATOR	MATRYX	P-16-AC 45	D		R,645'
HV-111102	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	14" HBC-BF-GO-V	D		R,645'
HV-111103	P16A	ESW	GEAR OPERATOR	MATRYX	P-16-AC-89	D		R,645'
HV-111103	P16A	ESW	BTRFLY VLVS,GEAR 150#	JAMESBURY	14" HBC-BF-GO-V	D		R,645'
HV-11143A	P16A	ESW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,670'
HV-11143A	P16A	ESW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 8226-PX-MOD. A	D		R,670'
HV-11143B	P16A	ESW	BTTRFLY VLVS,AIR 150#	JAMESBURY	4" 853/642 SR60	D		R,670'
HV-11143B	P16A	ESW	AIR OPERATOR	MATRYX	853/642 SR60	D		R,670'
HV-112002	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" 8865-P16-AC14	D		R,685'
HV-112002	P16A	RHR SW	GEAR OPERATOR	MATRYX	8856-P16-AC-14	D		R,685'
HV-112004	P16A	RHR SW	GEAR OPERATOR	MATRYX	8865-P16-AC-13	D		R,685'
HV-112004	P16A	RHR SW	BTRFLY VLVS,GEAR 150#	JAMESBURY	20" HBC-BF-GO	D		R,685'
HV-11210A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,645'
HV-11210A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11210A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/29,645
HV-11210B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/28,645
HV-11210B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11210B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,645'
HV-11215A	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-000-15	D		R,645'
HV-11215A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/29,645
HV-11215A	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11215B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/28,645
HV-11215B	P16	RHR SW	BTTRFLY VLVS,MTR 150#	JAMESBURY	20" HBC-BF-MO	D		R,645'
HV-11215B	P16	RHR SW	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R,645'
HV-11313	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11313	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11313	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C, 29
HV-11314	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C, 29
HV-11314	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11314	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11345	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-11345	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-11345	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B, 26
HV-11346	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B, 26
HV-11346	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-11346	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-12603	P14B	IG	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		DRYWELL,719'
HV-12603	P14B	IG	GLOBE VLVS,MTR 1500#	BORG WARNER	2" 74660	D		DRYWELL,719'
HV-12603-P	P14B	IG	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/26,719
HV-14006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	670
HV-14006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	670
HV-14107A	P11A	FC	AIR OPERATED	LIMITORQUE	SAFX7CCY-0	D	M	749
HV-14107A	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-A-V	D	M	749
HV-14107B	P11A	FC	AIR OPERATED	SHEFFER	SAFX7CCY	D	M	749
HV-14107B	P11A	FC	CHECK VALVE, AIR	ANCHOR DARLING	DLA-SLPACK-1	D	M	749
HV-151050A	P17B	RHR	AR OP TES CH VALV900#	ATWOOD & MORRILL	NONE	D		719
HV-151060	P12B	RHR	GATE VLVS, GEAR	PACIFIC	150#	D		R704
HV-15112	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-15112	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-15112	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 29
HV-152021	P12B	CS	GATE VLVS, GEAR	PACIFIC	16" HCB-GO	D		R719
HV-152021	P18A	CS	GATE VLVS, GEAR	WALWORTH	150#	D		R645
HV-153001	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-153021	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-15703	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15703	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15704	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15704	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15705	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		683
HV-15711	J65B	VARIOUS	CONTROL VALVE	MASONEILAN	38-20761/71	D		749
HV-15713	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-15713	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-15714	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-15714	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-15721	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	6"521C-SR60-M3	D	M	683
HV-15721	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15722	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15722	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15723	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15723	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15724	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	18"T-312-SR3-M3	D	M	683
HV-15724	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15725	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-15725	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-15766	P12A	SPF	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A, 27
HV-15766	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-15766	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-15768	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-15768	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-15768	P12A	SPF	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C, 27
HV-16108A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-16108A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-16108A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16108A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16108A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-16108A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-161082	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-161082	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16116A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16116A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-16116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R673
HV-16116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-16116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R673
HV-16116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-18781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-18781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18782A1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719
HV-18782A2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18782B1	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18782B2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18791A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-18791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-18791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R733
HV-18791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R733
HV-18792A1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719
HV-18792A2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-18792B1	J65B	CCW	CONTROL VALVES	MASONEILAN	33-37420	D		719
HV-18792B2	J65B	CCW	CONTROL VALVE	MASONEILAN	33-37420	D		719
HV-2F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-2F001	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GT-MO	D		R645
HV-2F001	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-60	D		R645
HV-2F001	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R739
HV-2F001	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R739
HV-2F001	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 31
HV-2F001	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1B, 33
HV-2F001	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,779
HV-2F001	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-2F001A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 30,
HV-2F001A	P12A	152	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F001A	P12A	152	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-2F001B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-00-15	D	M	645
HV-2F001B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F001B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1A, 30,
HV-2F001B	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F001F	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30/719
HV-2F001F	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F001K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F001P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F001P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F001P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002	P10A	HPCI	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	C2B, 31
HV-2F002	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-EBA-GT-MO	D		R704
HV-2F002	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-2F002	P15A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,779
HV-2F002	P15A	NBS	GLOBE VLVS,MTR 1500#	YARWAY	CBA-GB-MO	D		R,779'
HV-2F002A	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F002B	P12B	CS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F002B	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002B	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002B	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002F	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002F	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F002K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F002P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F002P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F003	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R704
HV-2F003	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-EBA-GT-MO	D		R704
HV-2F003	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C, 33
HV-2F003A	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 33,
HV-2F003A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-2F003A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F003B	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F003B	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F003B	P12A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G, 33,
HV-2F003B	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-2F003F	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003F	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003F	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F003K	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/32,719
HV-2F003K	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F003K	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003P	P15B	MSIVLC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F003P	P15B	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,719
HV-2F003P	P15B	MSIVLC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R719
HV-2F004	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GT-MO	D		R749
HV-2F004	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-15	D		R749
HV-2F004	P10A	RWCU	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1E, 32
HV-2F004	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F004	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-2F004	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B, 33
HV-2F004A	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J, 30,
HV-2F004A	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-2F004A	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F004A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F004A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	24" HBB-GT-MO-V	D	M	645
HV-2F004A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F004B	P10A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DBB-GT-MO	D		R761
HV-2F004B	P10A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F004B	P10A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J, 30,
HV-2F004B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F004B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F004C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F004D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F004D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F005	P15A	NBS	GLOBE VLVS,MTR 1500#	YARNAY	CBA-GB-MO	D		R,779'
HV-2F005	P15A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,779'
HV-2F005A	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J/30,761
HV-2F005A	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F005A	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-2F005B	P17A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-60	E-1	B-48	R1J/30,761
HV-2F005B	P17A	CS	GATE VLVS, MOTOR	ANCHOR DARLING	12"-DCA-GT-MO	D		R761
HV-2F005B	P17A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-2-60	D		R761
HV-2F006	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R3, 30
HV-2F006	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R749
HV-2F006	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	14"-DBB-GT-MO	D		R749
HV-2F006	P14A	SLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1J/34,749
HV-2F006	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F006	P15C	MSIV	GATE VLVS, MOTOR	ANCHOR DARLING	1500#	D		R719
HV-2F006	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F006A	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-2F006A	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F006A	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-2F006A&C	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F006B	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006B	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F006B	P17A	CS	CHECK VLVS, AIR	ANCHOR DARLING	900#	D		D752
HV-2F006B&D	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1G, 33,
HV-2F006C	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006C	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F006D	P12A	151	GATE VALVE, MOTOR	ANCHOR DARLING	HBB-GT-MO	D	M	645
HV-2F006D	P12A	151	MOTOR OPERATED	LIMITORQUE	SMB-0-25	D	M	645
HV-2F007	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R670
HV-2F007	P10A	RCIC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	C2B, 31
HV-2F007	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1M, 32
HV-2F007	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-2F007	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	14"-DBB-GT-MO	D		R670
HV-2F007	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F007	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F007	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F007	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F007A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 33,
HV-2F007A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,670'
HV-2F007A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO-V	D		R,670'
HV-2F007A	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F007B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,670'
HV-2F007B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1G, 33,
HV-2F007B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GT-MO	D		R,670'
HV-2F007B	P17A	CS	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F008	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F008	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R670
HV-2F008	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-80	E-1	B-48	R1M, 32
HV-2F008	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-10	E-1	B-48	R1C, 33
HV-2F008	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GB-MO	D		R670
HV-2F008	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-2F008	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F008	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F008	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F008	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R704
HV-2F008	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R704
HV-2F008	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-3-150	E-1	B-48	R1C/33,704
HV-2F009	P15C	MSIV	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV-2F009	P15C	MSIVLC	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R3/30,719
HV-2F009	P15C	MSIV	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV-2F009	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	20"-DCA-GT-MO	D		R719
HV-2F009	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-150	D		R719
HV-2F009	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-80	E-1	B-48	C2B/31,719
HV-2F010	P12B	HVACEDS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F010	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N, 33

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F010	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-2F010	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-2F010A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-2F010A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO-V	D		R,683'
HV-2F010A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C, 34,
HV-2F010B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/34,683
HV-2F010B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GT-MO	D		R,683'
HV-2F010B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R,683'
HV-2F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-2F011	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	10"-DBB-GT-MO	D		R670
HV-2F011	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-1-60	E-1	B-48	R1A, 32
HV-2F011	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R670
HV-2F011A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F011A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-2F011A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F011A	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 31
HV-2F011B	P11A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-150	E-1	B-48	C2B, 31
HV-2F011B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F011B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F011B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-2F012	P10A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1B, 33
HV-2F012	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1M, 33
HV-2F012	P10A	HPCI	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R670
HV-2F012	P10A	HPCI	GATE VLVS, MOTOR	ANCHOR DARLING	4"-EBB-GT-MO	D		R670
HV-2F012	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-3-80	D		R670
HV-2F012	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	6"-DBB-GT-MO	D		R670
HV-2F013	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R749
HV-2F013	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	6"-DBB-GT-MO	D		R749
HV-2F013	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R3, 30
HV-2F015A	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	10" GBB-GB-MO-V	D		R,683'
HV-2F015A	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,683'
HV-2F015A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C/30,683
HV-2F015A	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-2F015A	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/34,704
HV-2F015A	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-2F015B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1C/30,683
HV-2F015B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,683'
HV-2F015B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	10" GBB-GB-MO	D		R,683'
HV-2F015B	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-250	E-1	B-48	R1C/34,704
HV-2F015B	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-250	D		R704
HV-2F015B	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DCA-GT-MO	D		R704
HV-2F016	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-10	E-1	B-48	C2B, 31
HV-2F016	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-2F016	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-2F016	P12B	RCIC	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-2F016A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J/34,749
HV-2F016A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GB-MO-V	D		R,749'
HV-2F016A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-25	D		R,749'
HV-2F016B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-25	D		R,749'
HV-2F016B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-2-25	E-1	B-48	R1J/30,761
HV-2F016B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GB-MO-V	D		R,749'
HV-2F017A	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 33,
HV-2F017A	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GBY-MO	D		R704
HV-2F017A	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R704
HV-2F017B	P10A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	24"-DBB-GBY-MO	D		R704
HV-2F017B	P10A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R704
HV-2F017B	P10A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-5-350	E-1	B-48	R1C, 33,
HV-2F019	P10A	NB	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R3, 30
HV-2F019	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-10	D		R719
HV-2F019	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBA-GT-MO	D		R719
HV-2F019	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1N/33,670
HV-2F019	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-2F020	P10A	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R3, 30
HV-2F020	P10A	NBS	GATE VLVS, MOTOR	ANCHOR DARLING	3"-DBB-GB-MO	D		R719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F020	P10A	NBS	MOTOR OPERATOR	LIMITORQUE	SMB-00-5	D		R719
HV-2F021A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,749'
HV-2F021A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,749'
HV-2F021A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J/34,
HV-2F021B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-25	E-1	B-48	R1J/30,
HV-2F021B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-25	D		R,761'
HV-2F021B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	12" GBB-GT-MO-V	D		R,761'
HV-2F022	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R670
HV-2F022	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-15	E-1	B-48	R1M, 30
HV-2F022	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R670
HV-2F022	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	6" -DCA-GT-MO	D		R719
HV-2F022	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-0-15	D		R719
HV-2F022	P17A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-15	E-1	B-48	C2B/31,719
HV-2F023	P17A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-2-40	D		R683
HV-2F023	P17A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-2-40	E-1	B-48	R1C/34,704
HV-2F023	P17A	RHR	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R683
HV-2F024A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GB-MO-V	D		R,683'
HV-2F024A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C/32,683
HV-2F024A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-100	D		R,683'
HV-2F024B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-3-100	E-1	B-48	R1C/32,683
HV-2F024B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-3-100	D		R,683'
HV-2F024B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GB-MO	D		R,683'
HV-2F026A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F026A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,645'
HV-2F026A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F026B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,645
HV-2F026B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,645'
HV-2F026B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO	D		R,645'
HV-2F027A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-75	D		R,683'
HV-2F027A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C/34,683
HV-2F027A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GB-MO-V	D		R,683'
HV-2F027B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1C/34,683
HV-2F027B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-00-75	D		R,683'
HV-2F027B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	6" GBB-GB-MO	D		R,683'
HV-2F028A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,704'
HV-2F028A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C/34,704
HV-2F028A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO-V	D		R,704'
HV-2F028B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-25	E-1	B-48	R1C/34,704
HV-2F028B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	18" GBB-GT-MO	D		R,704'
HV-2F028B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-1-25	D		R,704'
HV-2F031	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-2F031	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,645
HV-2F031	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-2F031A	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,670
HV-2F031A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-2F031A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO-V	D		R,670'
HV-2F031B	P12A	CS	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,670'
HV-2F031B	P12A	CS	GLOBE VLVS,MTR 300#	ANCHOR DARLING	3" GBB-GT-MO	D		R,670'
HV-2F031B	P12A	CS	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1M/30,670
HV-2F032A	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 34,
HV-2F032B	P10B	NB	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R3, 34,
HV-2F040	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GB-MO-V	D		R,683'
HV-2F040	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-2F040	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,683
HV-2F042	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-2F042	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 33
HV-2F042	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-5-350	D		R749
HV-2F042	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-7.5	E-1	B-48	R1B/33,645
HV-2F042	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-00-15-0	D	M	645
HV-2F042	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	16" HBB-GT-MO-V	D	M	645
HV-2F045	P10A	RCIC	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R645
HV-2F045	P10A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-25	E-1	B-48	R1H, 33
HV-2F045	P10A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB	D		R645
HV-2F046	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F046	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-2F047A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G/33,670
HV-2F047A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO-V	D		R,670'
HV-2F047A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F047B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-1-40	D		R,670'
HV-2F047B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-1-40	E-1	B-48	R1G/33,670
HV-2F047B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	20" GBB-GT-MO	D		R,670'
HV-2F048A	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO-V	D		R,683'
HV-2F048A	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C/33,683
HV-2F048A	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-2F048B	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-4-200	E-1	B-48	R1C/33,683
HV-2F048B	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	24" GBB-GBY-MO	D		R,683'
HV-2F048B	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-4-200	D		R,683'
HV-2F049	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,683'
HV-2F049	P12A	RHR	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,683
HV-2F049	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,683'
HV-2F059	P15A	HPCI	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,645'
HV-2F059	P15A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,645
HV-2F059	P12A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-00-5	E-1	B-48	R1N/33,670
HV-2F059	P12A	149	GATE VALVE, MOTOR	ANCHOR DARLING	10" HBB-GT-MO-V	D	M	670
HV-2F059	P12A	149	MOTOR OPERATED	LIMITORQUE	SMB-0-5-0	D	M	670
HV-2F060	P15A	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F060	P15A	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1N/33,670
HV-2F060	P15A	RCIC	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO	D		R,670'
HV-2F060A	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F060B	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F062	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/33,670
HV-2F062	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F062	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-2F066	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	20" HBB-GT-MO-V	D	M	645
HV-2F066	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-0-10	E-1	B-48	R1B/33,670
HV-2F066	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-0-25-0	D	M	645
HV-2F067	P17A	RHR	GEAR OPERATED	ANCHOR DARLING	900#	D		R752
HV-2F073A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F073B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-2F073B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F073B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F075	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,670
HV-2F075	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-2F075	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-2F075A	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F075B	P12B	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1G/33,670
HV-2F075B	P12B	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F075B	P12B	RHR	GATE VLVS, MOTOR	PACIFIC	150#	D		R670
HV-2F079	P12A	155	GATE VALVE, MOTOR	ANCHOR DARLING	3" HBB-GT-MO-V	D	M	670
HV-2F079	P12A	HPCI	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1B/33,670
HV-2F079	P12A	155	MOTOR OPERATED	LIMITORQUE	SMB-000-2-0	D	M	670
HV-2F084	P15B	RCIC	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1N/33,670
HV-2F084	P15B	RCIC	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R670
HV-2F084	P15B	RCIC	GATE VLVS, MOTOR	BORG WARNER	900#	D		R670
HV-2F100	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-2F100	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-2F101	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R719
HV-2F101	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R719
HV-2F102	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	6"-EBA-GB-MO	D		R704
HV-2F102	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-0-75	D		R704
HV-2F103	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R719
HV-2F103A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F103A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F103B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-2F104	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBB-GB-MO	D		R749
HV-2F104	P10A	RWCU	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1E, 33
HV-2F104	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB	D		R749
HV-2F104A	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F104A	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F104B	P15A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-2	D		R,670'
HV-2F104B	P15A	RHR	GLOBE VLVS,MTR 1500#	YARWAY	CBB-GB-MO-ZT	D		R,670'
HV-2F106	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	4"-DBA-GT-MO	D		R704
HV-2F106	P10A	RWCU	MOTOR OPERATOR	LIMITORQUE	SMB-00-7.5	D		R704
HV-208023	P12B	CRWS	GATE VLVS, GEAR	PACIFIC	150#	D		R645
HV-21210A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21210B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21215A	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21215B	P16A	RHRSW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-00-15	E-1	B-48	R1G/33,645
HV-21313	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	670
HV-21313	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C/34,704
HV-21313	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	670
HV-21314	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	670
HV-21314	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	670
HV-21314	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-2	E-1	B-48	R1C/34,704
HV-21345	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,704
HV-21345	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-21345	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-21346	P12A	113	GATE VALVE, MOTOR	ANCHOR DARLING	4" HBB-GT-MO-V	D	M	704
HV-21346	P12A	113	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	704
HV-21346	P12A	RBCCW	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,704
HV-22603-P	P14B	IG	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	C2B/31,719
HV-241016	P10A	RWCU	GATE VLVS, MOTOR	ANCHOR DARLING	900#	D		R719
HV-251060	P12B	RHR	GATE VLVS, GEAR	PACIFIC	150#	D		R704
HV-25112	P12A	RHR	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1C/34,704
HV-25112	P12A	RHR	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R,704'
HV-25112	P12A	RHR	GLOBE VLVS,MTR 300#	ANCHOR DARLING	4" GBB-GT-MO-V	D		R,704'
HV-252021	P18A	CS	GATE VLVS, GEAR	WALWORTH	150#	D		R645
HV-253001	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-253021	P12B	FPC	GATE VLVS, GEAR	PACIFIC	150#	D		R749
HV-25703	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25703	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25704	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25704	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25713	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"-T-416-SR3-M3	D	M	749
HV-25713	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-25714	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	749
HV-25714	P31	CP	AIR OPERATED	BETTIS		D	M	749
HV-25721	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	6"521C-SR60-M3	D	M	683
HV-25721	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25722	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25722	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25723	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25723	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25724	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	18"T-312-SR3-M3	D	M	683
HV-25724	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25725	P31	CP	BUTTERFLY VALVE, AIR	HENRY PRATT	24"T-416-SR3-M3	D	M	683
HV-25725	P31	CP	AIR OPERATED	BETTIS		D	M	683
HV-25766	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-25766	P12A	SPF	OPERATOR, MOV (A.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A/32,645
HV-25766	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-25768	P12A	SPF	OPERATOR, MOV (D.C)	LIMITORQUE	SMB-000-5	E-1	B-48	R1A/30,645
HV-25768	P12A	157	GATE VALVE, MOTOR	ANCHOR DARLING	6" HBB-GT-MO-V	D	M	645
HV-25768	P12A	157	MOTOR OPERATED	LIMITORQUE	SMB-000-5-0	D	M	645
HV-26106A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-26106A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683
HV-26106A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R806
HV-26106A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
HV-26116A1	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-26116A1	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R683
HV-26116A2	P12B	LR	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
HV-26116A2	P12B	LR	GATE VLVS, AIR	PACIFIC	150#	D		R806
HV-28781A1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781A1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28781B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28781B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791A2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791A2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B1	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HV-28791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791B1	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791B2	P12B	RBCW	AIR OPERATOR	MILLER FLUID PR	150#	D		R719
HV-28791B2	P12B	RBCW	GATE VLVS, AIR	PACIFIC	150#	D		R719
HVCAL-1F006	P14A	SBLC	GLOBE VLVS,MTR 1500#	YARWAY	1 1/2" CCA-GB-MO	D		R,749'
HV08601A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV08601A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV08602A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV08602A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV08603A,B	P15B	CSCW	MOTOR OPERATOR	LIMITORQUE	SMB-000-5	D		R719
HV08603A,B	P15B	CSCW	GATE VLVS, MOTOR	BORG WARNER	1500#	D		R719
HV151F050B	P17B	RHR	AIR OPERATED	ATWOOD & MORRILL		D	M	719
HV151F050B	P17B	RHR	CHECK VALVE	ATWOOD & MORRILL	N/A	D	M	719
IC201A, SHELF	J03C	GUE	SHELF - 7 UNIT	BAILEY CONTRLS	762070AAAN1	E-1*	B-34	R1M, 25
IC201B, SHELF	J03C	GUE	SHELF - 7 UNIT	BAILEY CONTRLS	762070AAAN1	E-1*	B-34	R1M, 25
IT-226A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-226D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
IT-401A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-401D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-402F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403G	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403H	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
IT-403J	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403K	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403L	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403M	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403N	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403P	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403R	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IT-403S	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2"1/2"
IV-208A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	60 PC	D	N/A	R,645'
IV-208B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	60 PC	D	N/A	R,645'
IV-209A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	75 PC	D	N/A	R,654'-6"
IV-209B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	75 PC	D	N/A	R,654'-6"

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
IV-210A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,670'
IV-210C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,670'
IV-210C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-210D	M315	RHR	UNIT COOLERS	BUFFALO FORGE	250 PC	D	N/A	R,645'
IV-211A	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211B	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211C	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,655'-6"
IV-211D	M315	RHR	UNIT COOLERS	BUFFALO FORGE	120 PC	D	N/A	R,646'-6"
IV-222A	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	254T	E-2	B-26	R1I, 29
IV-222B	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	254T	E-2	B-26	R1I, 29
IV-414A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-414B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-415A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-415B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-416A	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
IV-416B	M317	CAC	DYLL UNIT COOLERS	AMER AIR FILTER	CUSTOM DESIGN	D	N/A	C,704'
LG-08634A	M320	300	LVL GAGE W/GGE COCKS	JERGUSON	16-R-20			C,806'
LG-08634B	M320	300	LVL GAGE W/GGE COCKS	JERGUSON	16-R-20			C,806'
LI-14262	J03C	NB	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670'
LI-15776B2	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M, 25,670'
LI-24262	J03C	R LVL	INDICATORS	BAILEY	775111AAAN2	D		670'
LI-25776A2	J03C	SUPP POOL	INDICATORS	BAILEY	775121ABBM2	D		670'
LR-15776A	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-15776B	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-25776A	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LR-25776B	J03C	SUPP POOL	RECORDERS	BAILEY	771311AAAAZWAR	D		729'
LSH-08634A	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS4, 21,806'
LSH-08634B	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS9, 12,806'
LSL-08634A	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS4, 21,806'
LSL-08634B	M320/M415	CSCW	SWITCH, LEVEL	MERCOID	230WT-AV7704	E-2,D	B-29	CS9, 12,806'
LT-15312	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		779
LT-15312	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,779'
LT-15312	J56B	NBS	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/27,779
LT-15775A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15775A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15775A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15775B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15775B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15775B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15776A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15776A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15776A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-15776B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-15776B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-15776B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1A/27,645
LT-25312	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,779'
LT-25312	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		779
LT-25775A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25775A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25775A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
LT-25775B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25775B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25775B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
LT-25776A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25776A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25776A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/32,645
LT-25776B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151DP	D		RC,645'
LT-25776B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		645
LT-25776B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1A/30,645
LV-E41-1F054	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
LV-F51-1F054	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
LV-10641	P10B	FC	CHECK VALVE, MOTOR	ATWOOD & MORRILL	DBB-SCK-MO-V-M3	D	M	749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
LV-10641	P10B	FC	MOTOR OPERATED	LIMITORQUE	SMB-0-10-0	D	M	749
LY-15776A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
LY-25776B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
L02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-14-600V	E-2	B-11	OUTSD CO
L03	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-14-600V	E-2	B-11	OUTSD CO
L05	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	5/C-14-600V	E-2	B-11	OUTSD CO
L07	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
L12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	12/C-14-600V	E-2	B-11	OUTSD CO
L17	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
L17	E103A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-14-600V	E-2	B-11	OUTSD CO
NONE	J03C	CSHVAC	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/21
NONE	J03C	NB	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
NONE	J03C	RCIC	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
NONE	J03C	RHR	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
NONE	J03C	RHRSW	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/25
NONE	J03C	SGT	CABLE	BAILEY CONTRLS	763100TABN1	E-1*	B-34	R1M/21
NONE	M55	N/A	TOP HEAD INSULATION	TRANSCO	N/A			C,793'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-005-2	D		G,680'
NONE	M30CES	DG	6" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	SHUTTLE SWITCH	COOPER ENERGY	2-01V-077-002	D		G,677'
NONE	M30CES	DG	FL OIL & LUBE PIPE	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	2-06C-474-001	D		G,678'
NONE	M30CES	DG	AUX SKID ASSEMBLY	COOPER ENERGY	KSV-58-3	D		G,677'
NONE	M30CES	DG	COMPOSITE PIPING	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-108-2	D		G,687'
NONE	M30CES	DG	3" CHECK VALVE	COOPER ENERGY	CVIA	D		G,677'
NONE	M30CES	DG	CIRCULTNG WTR PUMP	COOPER ENERGY	42-21-207.09-999	D		G,680'
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-108-1	D		G,680'
NONE	M90	FPCC	FL PL SKMMR SRGE TNK	AMETEK	1/2" T-208			R,719'
NONE	M30CES	DG	DIF TEMP SWITCH	COOPER ENERGY	2-04S-031-012	D		G,680'
NONE	M30CES	DG	EXCESS FL CK VLVE	COOPER ENERGY	2-01V-412-001	D		G,680'
NONE	M30CES	DG	8" FLEX JOINTS	COOPER ENERGY	U-F4F	D		G,VARIABLE
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-005-1	D		G,680'
NONE	M30CES	DG	3" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	INTAKE FILTER SILNC	COOPER ENER SERV	NONE	D		701
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-399-001-1	D		G,680'
NONE	M30CES	DG	TURBCHRGR LUBE FLTR	COOPER ENERGY	18431-BDX2-20-3/4SD	D		G,680'
NONE	M30CES	DG	BALL VALVE	COOPER ENERGY	2-01V-411-010	D		G,679'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-008-2	D		G,680'
NONE	M30CES	DG	DIFF PRESS SWITCH	COOPER ENERGY	2-04S-385-001	D		G,677'
NONE	M30CES	DG	5" EXPANSION JOINT	COOPER ENERGY	2-05P-097-001	D		G,685'
NONE	M30CES	DG	AIR START SYS PIPNG	COOPER ENERGY	N/A	D		G,677'
NONE	M30CES	DG	DIFF PRESS SWITCH	COOPER ENERGY	KSV-87-8(56)	D		G,677'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	KSV-87-7(44)	D		G,677'
NONE	M30CES	DG	TEMPERATURE SWITCH	COOPER ENERGY	2-04S-031-D10	D		G,680'
NONE	M30CES	DG	HV CUB GEN CON PAN	COOPER ENERGY	3-E12-03-E-2	D		G,677'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	2-06C-468-001	D		G,678'
NONE	M30CES	DG	SOLENOID VALVES	COOPER ENERGY	2-05V-399-001	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-014	D		G,680'
NONE	M30CES	DG	18" MANIFOLD EXP JT	COOPER ENERGY	2-05P-096-001	D		G,684'
NONE	M30CES	DG	3" FLEX JOINTS	COOPER ENERGY	R-F5F	D		G,VARIABLE
NONE	M30CES	DG	RATIO RELAY	COOPER ENERGY	2-04C-094-003	D		G,677'
NONE	M30CES	DG	START AIR SRV	COOPER ENERGY	LCT-11	D		G,680'
NONE	M30CES	DG	LEVEL SWITCHES	COOPER ENERGY	2-04S-386-001	D		G,683'
NONE	M30CES	DG	OVERSPEED CONTROL	COOPER ENERGY	2-05C-063-002	D		G,680'
NONE	M30CES	DG	3" TT ENTMENT SEPT.	COOPER ENERGY	TYPE T (7494-11)	D		G,683'
NONE	M30CES	DG	DIAPHRAGM VALVE	COOPER ENERGY	2-01V-426-001	D		G,682'
NONE	M30CES	DG	INTK & EXHST EXPAN	COOPER ENERGY	30"-U-F6V-L	D		G,677'
NONE	M30CES	DG	LO STRAINER	COOPER ENERGY	6" SINLEU BASKET STRNR	D		G,679'
NONE	M30CES	DG	D.C. MOTOR STARTER	COOPER ENERGY	2-03E-022-001	D		G,677'
NONE	M30CES	DG	LO & JW THERMO VLVS	COOPER ENERGY	6 BOD THERMOSTATIC	D		G,679'
NONE	M30CES	DG	TWO WAY VALVE	COOPER ENERGY	2-10C-016-001-	D		G,VARIABLE
NONE	M30CES	DG	TURBCHRGR LUBE FLTR	COOPER ENERGY	2-06C-474-002	D		G,680'
NONE	M30CES	DG	L.O. RELIEF VALVE	COOPER ENERGY	2-01V-407-002	D		G,680'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
NONE	M30CES	DG	LUBE OIL HEATER	COOPER ENERGY	NWH-3152XX	D		G,679'
NONE	M30CES	DG	INTERCOOLERS	COOPER ENERGY	SL-8416	D		G,678'
NONE	M30CES	DG	ENG DRV FUEL PUMP	COOPER ENERGY	17AM-08	D		G,682'
NONE	M30CES	DG	CHOKE CHECK VALVE	COOPER ENERGY	W60-A-8#1	D		G,677'
NONE	M30CES	DG	SOLENOID VALVES	COOPER ENERGY	2-04S-399-002	D		G,680'
NONE	M30CES	DG	STANDBY LO PUMP	COOPER ENERGY	N/A	D		G,679'
NONE	M30CES	DG	AIR RECEIVER	COOPER ENERGY	2-07V-241-001	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-006	D		G,VARIABLE
NONE	M30CES	DG	2" PLUG VALVES	COOPER ENERGY	N/A	D		G,VARIABLE
NONE	M30CES	DG	LUBE OIL HT EXCHNGR	COOPER ENER SERV	15108 CPK	D		678
NONE	M30CES	DG	GOVERNOR ACTUATOR	COOPER ENERGY	EG-B10P	D		G,685'
NONE	M30CES	DG	JACKET WTR HTR EXCH	COOPER ENERGY	115114 CPK	D		G,678'
NONE	M30CES	DG	FUEL INJECTION NOZ	COOPER ENER SERV	10-328941-27	D		687
NONE	M30CES	DG	COOLING WTR PIPE	COOPER ENERGY	N/A	D		G,678'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-008-1	D		G,680'
NONE	M30CES	DG	PRELUBE PUMP & MTR	COOPER ENERGY	D.I. GEAREX	D		G,682'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	18430-BDX2-10-3/4D	D		G,678'
NONE	M30CES	DG	DIF PRES GAUGE SWTH	COOPER ENERGY	2-04S-187-107	D		G,680'
NONE	M30CES	DG	OUTBOARD BEARING	COOPER ENERGY	693820-3	D		G,678'
NONE	M30CES	DG	BALL VALVE	COOPER ENERGY	2-01V-411-004	D		G,679'
NONE	M30CES	DG	TWO WAY VALVE	COOPER ENERGY	2-01V-044-001	D		G,VARIABLE
NONE	M30CES	DG	SHUTTLE VALVES	COOPER ENERGY	GD9-4540-9	D		G,677'
NONE	M30CES	DG	LEVEL SWITCHES	COOPER ENERGY	2-04S-182-016,017	D		G,683'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-004	D		G,680'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-399-001-2	D		G,680'
NONE	M30CES	DG	THREE WAY VALVE	COOPER ENERGY	2-05V-380-001	D		G,679'
NONE	M30CES	DG	THREE WAY VALVE	COOPER ENERGY	2-05V-396-001	D		G,679'
NONE	M30CES	DG	FUEL OIL TANK	COOPER ENER SERV	2-07V-263-001	D		678
NONE	M30CES	DG	6" FLEX JOINTS	COOPER ENERGY	R-F4F	D		G,VARIABLE
NONE	M30CES	DG	CONTROL VALVE	COOPER ENERGY	223-1-1#5	D		G,680'
NONE	M30CES	DG	EXH SILNCR-EMER DG	COOPER ENER SERV	M-41	D		710
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-04S-063-006	D		G,677'
NONE	M30CES	DG	PRESSURE GAUGE	COOPER ENERGY	2-01J-709-069	D		G,680'
NONE	M30CES	DG	ENGN DRVN WTR PUMP	COOPER ENERGY	6X5X11NR C16	D		G,677'
NONE	M30CES	DG	PRESSURE GAUGE	COOPER ENERGY	2-01J-709-068	D		G,680'
NONE	M30CES	DG	OVERSPEED TRIP	COOPER ENERGY	UG8-LEVER TYPE	D		G,677'
NONE	M30CES	DG	LO & JW THERMO VLVS	COOPER ENERGY	5 BOD THERMOSTATIC	D		G,679'
NONE	M30CES	DG	FO STRAINER & FILTR	COOPER ENERGY	18429-BDX2-10-3/4SD	D		G,678'
NONE	M30CES	DG	LOWER LINER SEAL	COOPER ENER SERV	520-287-0001	D		687
NONE	M30CES	DG	6" CHECK VALVE	COOPER ENERGY	CVIA	D		G,677'
NONE	M30CES	DG	10 MICRON FILTER	COOPER ENERGY	2-06C-161-103	D		G,678'
NONE	M30CES	DG	STANDBY JW PUMP	COOPER ENERGY	4221-507-159-999	D		G,680'
NONE	M30CES	DG	FUEL INJECTION PUMP	COOPER ENER SERV	10-73422-56	D		687
NONE	M30CES	DG	ENG DR LO PUMP	COOPER ENERGY	ROPER PUMP 20040	D		G,682'
NONE	M30CES	DG	HV CUB GEN CON PAN	COOPER ENERGY	3-E12-03-E-2	D		G,677'
NONE	M30CES	DG	50 MICRON FILTER	COOPER ENERGY	2-06C-136-101	D		G,679'
NONE	M30CES	DG	MTR DRIVEN FO PUMP	COOPER ENERGY	GG-195D	D		G,680'
NONE	M30CES	DG	AIR COMPRSSR & BELT	COOPER ENERGY	B-352-SBT	D		G,680'
NONE	M30CES	DG	MAIN ENGINE STRUCT	COOPER ENERGY	KSV-167	D		G,677'
NONE	M30CES	DG	LUBE OIL HEATER	COOPER ENERGY	NWHO-3901XX	D		G,679'
NONE	M30CES	DG	PRESSURE SWITCH	COOPER ENERGY	2-26-1-5(3)	D		G,VARIABLE
NONE	M30CES	DG	MICRO SWITCH	COOPER ENERGY	2-04S-378-001	D		G,VARIABLE
NONE	M30CES	DG	START AIR COMPRSSR	COOPER ENERGY	KSV-48-9	D		G,680'
NONE	M30CES	DG	INTK & EXHST EXPAN	COOPER ENERGY	30"-U-F4V	D		G,677'
NONE	M30CES	DG	DIESEL GEN RTR STR	COOPER ENERGY	(170)	D		G,677'
N07	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	7/C #16AWG	E-1	B-13	C2B
N09	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	9/C #16AWG	E-1	B-13	C2B
N12	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12/C #16AWG	E-1	B-13	C2B
OB136	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		CS,783
OB146	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		CS,783
OB516	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		DG,677
OB517	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		ESW,685
OB526	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		DG,677
OB527	E118	GUE	MCC, 480V	CUT-HAM	MCC	D		ESW,685

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
OC-301	J05B		LIQ RADWASTE PANEL			D		
OC-323	J05B		SOLID RADWASTE PANEL			D		
OC-521A	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521B	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521C	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-521D	M30CES	DG	ENG CONTROL PANEL	COOPER ENERGY	N/A	D		G,677'
OC-577A	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577B	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577C	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-577D	J03C		SHELVES	BAILEY	762030AAAN1	D		710
OC-578	J03C		SHELVES	BAILEY	762040AAAN1	D		704
OC-579	J03C		SHELVES	BAILEY	762040AAAN1	D		704
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762020AAAN1	D		729
OC-681	J03C	RBHVAC	RACK UNITS	BAILEY	761000AAAN1	D		729
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762050AAAN1	D		729
OC-681	J03C	RBHVAC	SHELVES	BAILEY	762080AAAN1	D		729
OC-876A	J03C		RACK UNITS	BAILEY	761000AAAN1	D		806
OC-876A	J03C		SHELVES	BAILEY	762030AAAN1	D		806
OC-876B	J03C		SHELVES	BAILEY	762030AAAN1	D		806
OC-876B	J03C		RACK UNITS	BAILEY	761000AAAN1	D		806
OC-877A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		783
OC-877A	J03C		SHELVES	BAILEY	762070AAAN1	D		783
OC-877A	J03C		RACK UNITS	BAILEY	761000AAAN1	D		783
OC-877B	J03C		RACK UNITS	BAILEY	761000AAAN1	D		783
OC-877B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		783
OC-877B	J03C		SHELVES	BAILEY	762070AAAN1	D		783
OC-888A	M320/M415	SGT	PANL, FIRE DETECTN	ALLISON	A971-1-1-SSS	E-2,D	B-29	CS9, 12,806'
OC-888B	M320/M415	SGT	PANL, FIRE DETECTN	ALLISON	A971-1-1-SSS	E-2,D	B-29	CS9, 12,806'
OC-889A	M325	CS H&V	CS OUTSD AIR HI	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OC-889B	M325	CS H&V	CS OUTSD AIR HI	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OCB876A	J05	HVAC	COMPONENT BOXES	COMSIP	CUSTOM LINE	D		783
OCB876B	J05	HVAC	COMPONENT BOXES	COMSIP	CUSTOM LINE	D		783
OC529A	J05	ESWRHR	CONTROL PANEL	COMSIP	CUSTOM LINE	D		704
OC529B	J05	ESWRHR	CONTROL PANEL	COMSIP	CUSTOM LINE	D		704
OC681	J05	HVAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OC681	J03C	RBHVAC	SIGNAL RESIST UNITS	BAILEY		D		729
OC693	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OC697	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
OC876A	M334/M412	CSHVAC	PANL, CONTR HVAC	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62HSX-07811A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AD 62FSLX-07811A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ABL620F125A	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62X-20310	E-2,D	B-20	CS4, 21,806'
OC876A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AF 62TDSHLX07811A	E-2,D	B-20	CS4, 21,806'
OC876B	M334/M412	CSHVAC	PANL, CONTR HVAC	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62HSX-07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AD 62FSLX-07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7014AF 62TDSHLX07811B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ABL620F125B	E-2,D	B-20	CS4, 21,806'
OC876B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XZ-20410	E-2,D	B-20	CS4, 21,806'
OC883A	M334/M412	SGT	PANL, CONTR SGT	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XY-07553A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62PDSL-07550A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AE 62TDSLX-07552A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FDX-07551A2	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62ZSX-07553A	E-2,D	B-20	CS4, 21,806'
OC883A, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FX-07551A	E-2,D	B-20	CS4, 21,806'
OC883B	M334/M412	SGT	PANL, CONTR SGT	COMSIP CUSTLN	NONE	E-2,D	B-32	CS4/21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FX-07551V	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62ZSX-07553B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AF 62XY-07553B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AE 62TDSLX-07552B	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62FDX-07551B2	E-2,D	B-20	CS4, 21,806'
OC883B, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012AD 62PDSL-07550B	E-2,D	B-20	CS4, 21,806'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
OC886A	M321-3	70A	SGTS HETER CONT PAN	CVI CORP.	N/A	D		CS,806'V
OC886A	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) WIEGMANN	#657676	E-2	B-30	CS9/12
OC886B	M321-3	70A	SGTS HETER CONT PAN	CVI CORP.	N/A	D		CS,806'V
OC886B	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) WIEGMANN	#657676	E-2	B-30	CS9/12
OC887A	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) HOFFMAN	HOFFMAN #A30P24	E-2	B-30	CS9/12
OC887B	M321/M409	SGT	PANL, HEATER CONTROL	(CVI) HOFFMAN	HOFFMAN #A30P24	E-2	B-30	CS9/12
OC889A	M325/M407	CSHVAC	PANL, HEATER CONTROL	FARR	FARR (HOFFMAN)	E-2	B-31A	CS8/12
OC889B	M325/M407	CSHVAC	PANL, HEATER CONTROL	FARR	FARR (HOFFMAN)	E-2	B-31A	CS8/12
OE-101A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OE-101B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OE-143A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OE-143B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OE101A	M321/M409	SGT	HEATING COIL, SGTS	(CVI) CHROMALOX	DHMS-2-F-054W24H	E-2	B-30	CS9/12
OE101A	M321/M409	SGT	SWITCH, TEMPERATURE	CHROMALOX	ARC-24	E-1*	B-30	CS9/12
OE101B	M321/M409	SGT	HEATING COIL, SGTS	(CVI) CHROMALOX	DHMS-2-F-054W24H	E-2	B-30	CS9/12
OE101B	M321/M409	SGT	SWITCH, TEMPERATURE	CHROMALOX	ARC-24	E-1*	B-30	CS9/12
OE143A	M325/M407	CSHVAC	HEAT.COIL,VENT.FILT	FARR (CHROMALOX)	PCN #128549	E-2	B-31A	CS8/12
OE143B	M325/M407	CSHVAC	HEAT.COIL,VENT.FILT	FARR (CHROMALOX)	PCN #128549	E-2	B-31A	CS8/12
OF-123A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-123B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-124A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-124B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-125A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-125B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-126A	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-126B	M325	CS H&V	HGH EFF VENT FILT	FARR CO.	CUSTOM DESIGN	D	N/A	CS,806'
OF-169A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-169B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-170A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-170B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-171A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-171B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-172A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-172B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-173A	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OF-173B	M321-1	SBGT	SGTS UNIT-HOUSING	CVI CORP.	CUSTOM DESIGN	D		CS,806'V
OK-112A	M310	CSHVAC	CHILLER,CENTRIFUGAL	CARRIER	19FA	E-2	B-27	CS4, 21
OK-112A	M310	CBCH20	CENT. WTR CHILLERS	CARRIER	19FA 461-114-14	D	N/A	CS,806'
OK-112B	M310	CBCH20	CENT. WTR CHILLERS	CARRIER	19FA 461-114-14	D	N/A	CS,806'
OK-112B	M310	CSHVAC	CHILLER,CENTRIFUGAL	CARRIER	19FA	E-2	B-27	CS4, 21
OP-162A	M327	CSCW	CHILLED WATER PUMP	GOULDS PUMPS	3196 MT 4X6X10	D	N/A	CS,783'
OP-162B	M327	CSCW	CHILLED WATER PUMP	GOULDS PUMPS	3196 MT 4X6X10	D	N/A	CS,783'
OP-171A	M327	CSCW	COOLING WATER PUMP	GOULDS PUMPS	3196 MT 4X6X13	D	N/A	CS,783'
OP-171B	M327	CSCW	COOLING WATER PUMP	GOULDS PUMPS	3196 MT 4X6X13	D	N/A	CS,783'
OP-504A	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504B	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504C	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OP-504D	M-11	RHR	EMGY SER WATER PUMP	BYRON-JACKSON	24-BXF 1-STAGE VCT	D	N/A	SW685'
OT-109A	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,806'
OT-109B	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,806'
OT-113A	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,783'
OT-113B	M302		EXPAN TKS & AIR SEP	RICHMOND ENGRG		D	N/A	CS,783'
OT-527A	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527B	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527C	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OT-527D	M-60	EDG	DIE GEN FUL OIL STG	BUFFALO TANK	N/A	D	N/A	N/A
OV-101A	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-9-3-HF/SP	D	N/A	CS,806'
OV-101A	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	256T	E-2	B-26	CS8, 12
OV-101B	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	256T	E-2	B-26	CS8, 12
OV-101B	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-9-3 HF/SP	D	N/A	CS,806'
OV-109A	M399C	SGTS	MOTR/"F" INSULATION	WESTINGHOUSE	326 T	E-1*	B-26	CS8 (12)
OV-109A	M362	SBGT	SGTS CENTR. FANS	BUFFALO FORGE	BL	D		CS,806'V
OV-109B	M399C	SGTS	MOTR/"F" INSULATION	WESTINGHOUSE	326 T	E-1*	B-26	CS8 (12)
OV-109B	M362	SBGT	SGTS CENTR. FANS	BUFFALO FORGE	BL	D		CS,806'V

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
OV-116A	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-19-2 HF/SP	D	N/A	CS,783'
OV-116B	M307	CBBRE	CENTRIFUGAL FAN	TRANE CO	18-19-2 HF/SP	D	N/A	CS,783'
OV-118A	M307	SBGT	CENTRIFUGAL FAN	TRANE CO	16-9-2 HF/SP	D	N/A	CS,806'
OV-118A	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	215T	E-2	B-26	CS6, 21
OV-118B	M307	SBGT	CENTRIFUGAL FAN	TRANE CO	16-9-2 HF/SP	D	N/A	CS,806'
OV-118B	M399C	CSHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	215T	E-2	B-26	CS6, 21
OV-144A	M399C	SGTS	MOTR/"H" INSULATION	WESTINGHOUSE	213T	E-2	B-26	CS7, 21
OV-144B	M399C	SGTS	MOTR/"H" INSULATION	WESTINGHOUSE	213T	E-2	B-26	CS7, 21
OV-201A	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	444TC2	E-2	B-26	R4, 29
OV-201B	M399C	RBHVAC	MOTR/"H" INSULATION	WESTINGHOUSE	444TC2	E-2	B-26	R4, 29
PCV-1F035	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-404-2	D		645
PCV-1F015	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-403-1	D		645
PCV-12643	J70	RCIC	PRESSURE REG VALVES	TARGET ROCK	75KK-401-1	D		749
PCV-12648	J70	RCIC	PRESSURE REG VALVES	TARGET RO	75KK-401-1	D		719
PDDM-07554A	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1F/27
PDDM-07554B	M336A	RBHVAC	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	R1F/27
PDI-07554A1	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554A2	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554A3	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B1	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B2	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDI-07554B3	J03C	RB	INDICATORS	BAILEY	775111AAAN2	D		729'
PDIC-07550A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
PDIC-07550B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
PDIC-07554A	J03C	SGTS	CONTROLLERS	BAILEY	701002AABN1	D		729'
PDIC-07554B	J03C	SGTS	CONTROLLERS	BAILEY	701002AABN1	D		729'
PDSH-07555A	M320/M415	SGT	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	CS6, 21,806'
PDSH-07555B	M320/M415	SGT	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	CS6, 21,806'
PDSH-07814A	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSH-07814B	J03C	CSHVAC	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS6/21,806'
PDSHL-07553A	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
PDSHL-07553B	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07544A	M320/M415	RBHVAC	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	R2, 29,799''
PDSL-07544B	M320/M415	RBHVAC	SWTCH, PRESSURE DIF	ASCO	SB32BKR/TA31A16	E-2,D	B-29	R2, 29,799'
PDSL-07550A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07550B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07553A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07553B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A1	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A2	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554A3	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B1	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B2	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDSL-07554B3	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
PDT-07550A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
PDT-07550B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS6/21,806'
PDT-07553A	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS9/12,806'
PDT-07553B	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	CS9/12,806'
PDT-07554A1	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554A2	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R5/32,818'
PDT-07554A3	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554B1	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07554B2	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*,D	B-29	R5/32,818'
PDT-07554B3	M320	SGT	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1,D	B-29	R5/25,818'
PDT-07814A	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*	B-29	CS8/12,806'
PDT-07814B	M320	CSHVAC	TRANSMTR,PRESUR DIF	TAVIS	P8C (S)	E-1*	B-29	CS8/12,806'
PDY-07550A	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07550B	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07554A	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4/21,806'
PDY-07554B	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4/21,806'
PI-14262	J03C	NB	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
PI-15728B	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
PI-24262	J03C	R PRSS	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		670'
PI-25728A	J03C	CONT PRSS	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PR-15710A	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-15710B	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-25710A	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PR-25710B	J03C	CONT PRSS	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
PSL-12643	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-12648	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-22643	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSL-22648	J03C	IG	SINGLE ALARM UNIT	BAILEY	745110AAN2	D		698'
PSV-B21-1F037L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-1F037N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-B21-2F037N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSV-C41-1F029A	M159	SBLC	NUCLEAR SRV'S	J.E. LONERGAN	D-80D/LS/SP	D	N/A	R,749'
PSV-C41-1F029B	M159	SBLC	NUCLEAR SRV'S	J.E. LONERGAN	D-80D/LS/SP	D	N/A	R,749'
PSV-E11-1F025B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F025A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F029	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,683'
PSV-E11-1F030B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030C	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F030D	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,645'
PSV-E11-1F055A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-52Q	D	N/A	R,670'
PSV-E11-1F055B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-52Q	D	N/A	R,670'
PSV-E11-1F097	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-10K	D	N/A	R,670'
PSV-E11-1F141B	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-1F141A	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-2F141B	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E11-2F141A	M160	RHR	RHR DL VACUUM BKRS	CROSBY VLV & GAGE	DS-C-62934	D	N/A	SP,
PSV-E21-1F012B	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	LCT-20	D	N/A	R,645'
PSV-E21-1F012A	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	LCT-20	D	N/A	R,645'
PSV-E21-1F032A	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E21-1F032B	M159	CS	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E41-1F020	M159	HPCI	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E41-1F050	M159	HPCI	NUCLEAR SRV'S	J.E. LONERGAN	D-10H	D	N/A	R,645'
PSV-E51-1F017	M159	RCIC	NUCLEAR SRV'S	J.E. LONERGAN	D-10D	D	N/A	R,645'
PSV-E51-1F018	M159	RCIC	NUCLEAR SRV'S	J.E. LONERGAN	D-10F	D	N/A	R,645'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSV-08633A	M336	CSCW	CHILD WTR RELF VLVS	J.E. LONERGAN	LCT-20	D	N/A	CS,806'
PSV-1F126	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11/54	D	N/A	DRYWELL,704'
PSV-11212A	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-20P	D	N/A	R,645'
PSV-11212B	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-20P	D	N/A	R,645'
PSV-12643	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,719'
PSV-12644	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-30/OR	D	N/A	R,719'
PSV-12646	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-30/OR	D	N/A	R,719'
PSV-12648	M159	IG	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11	D	N/A	R,719'
PSV-15113	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	D-30D	D	N/A	R,683'
PSV-15193	M159	RHR	NUCLEAR SRV'S	J.E. LONERGAN	LCT-11T	D	N/A	R,683'
PSV-15704A1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704A2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704B1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704B2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704C1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704C2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704D1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704D2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704E1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-15704E2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704A1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704A2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704B1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704B2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704C1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704C2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704D1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704D2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704E1	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSV-25704E2	M149	CAC	CONTAIN VCM REL VLV	AGCO	24" CVI-L	D	N/A	C,695'
PSVB211F14137M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB211F14137H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137B	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137J	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137S	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137L	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137R	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137M	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137G	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137A	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137P	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137K	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137E	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137N	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137H	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137D	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137C	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PSVB212F14137F	M160	NBS	SRV DL VACUUM BRKRS	CROSBY VLV & GAGE	DS-C-62933	D	N/A	C,
PT-01107A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RCSW
PT-01107A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		685

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PT-01107B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RCSW
PT-01107B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		685
PT-01109A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
PT-01109B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151DP	D		
PT-12643	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-12643	J56B	IG	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,749
PT-12643	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-12648	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-12648	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		719
PT-12648	J56B	IG	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/25,719
PT-14262	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-14262	J56B	NBS	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,749
PT-14262	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	11516P	D		749
PT-15701A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15701A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15701B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15701B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15702	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15702	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15702	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/27,683
PT-15706	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-15706	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-15709A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1M/29,719
PT-15709B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1C/28,719
PT-15710A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-15710A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15710A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/27,719
PT-15710B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-15710B	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/28,719
PT-15710B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15728A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-15728A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-15728A	J56B	CAC	TRANSMTR, PRESSURE	ROSEMOUNT	1153B	E-1	B-39	R1K/27,683
PT-15728B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-22643	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-22643	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-22643	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1M/33,749'
PT-22648	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-22648	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
PT-22648	J56A	IG	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	RLK/30,719
PT-24262	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,749'
PT-24262	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		749
PT-25701A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25701A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25701B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25701B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25702	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25702	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25702	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1M/32,683
PT-25706	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25706	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25709A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1M/32,719
PT-25709B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	763	E-1	B-38	R1C/30,719
PT-25710A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25710A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25710A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25710B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,683'
PT-25710B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-25710B	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25728A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PT-25728A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		719
PT-25728A	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25728A1	J56A	CAC	TRANSMTR, PRESSURE	ITT BARTON	764	E-1	B-38	R1K/32,719
PT-25728B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PT-25728B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151AP	D		683
PT-28788A	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-28788A	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
PT-28788B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151GP	D		RC,719'
PT-28788B	J03C	ESW	PRESSURE XMTR	ROSEMOUNT	1151GP	D		719
PT-728B	J03A	CAC,ESW	PRSS XMTRS,FIELD MNT	ROSEMOUNT	1151AP	D		RC,719'
PV-1F051A	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
PV-1F051B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
PV-1F052A	J65	HPCI	CONTROL VALVE	MASONEILAN	38-20761	D		645
PV-1F052B	J65	RHR	CONTROL VALVE	MASONEILAN	38-20761	D		645
PY-15709A	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-15709B	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-15710A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-15710B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		729'
PY-25709A	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		741'
PY-25709B	J03C	SUPP CHMB	ISOLATORS	BAILEY	740111AAAN2	D		698'
PY-25710A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
PY-25710B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
Q01	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10567, REV. C&D	E-1	B-14	C2C
Q02	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10566, REV. A&C	E-1	B-14	C2C
Q03	E131BC	GUE	CBL, SPECLTY	RAYCHEM	7521D3330, REV. E	E-1	B-14	VAR. OUT
Q05	E131BC	GUE	CBL, SPECLTY	RAYCHEM	9324D1017, REV. B	E-1	B-14	VAR. OUT
Q06	E131BC	GUE	CBL, SPECLTY	RAYCHEM	9118D0331, REV. B	E-1	B-14	VAR. OUT
Q07	E131BC	GUE	CBL, SPECLTY	RAYCHEM	7523D1330, REV. D	E-1	B-14	VAR. OUT
Q08	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10568, REV. D	E-1	B-14	C2C
Q09	E131BC	GUE	CBL, SPECLTY	RAYCHEM	10483, REV. D&H	E-1	B-14	C2C
Q11	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR CH-AL+11C#20AWG	E-1	B-13	C2B
Q12	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	48/C #20AWG	E-1	B-13	C2B
Q14	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
Q15	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3/C #20AWG	E-1	B-13	C2B
Q16	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	5/C #20AWG	E-1	B-13	C2B
Q17	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	9/C #20AWG	E-1	B-13	C2B
Q18	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12/C #20AWG	E-1	B-13	C2B
Q20	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	27/C #20AWG	E-1	B-13	C2B
Q22	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	14/C #16AWG	E-1	B-13	C2B
Q23	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	37C #16AWG	E-1	B-13	C2B
Q24	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
Q25	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	2 PR #16AWG	E-1	B-13	C2B
Q26	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3 PR #16AWG	E-1	B-13	C2B
Q27	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	7 PR #16AWG	E-1	B-13	C2B
Q28	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 TST #16AWG	E-1	B-13	C2B
Q29	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	3 TST #16AWG	E-1	B-13	C2B
Q30	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1QUAD. #16AWG	E-1	B-13	C2B
Q31	E131BC	GUE	CBL, SPECLTY	RAYCHEM	5012G1339, REV. C	E-1	B-14	VAR. OUT
RE-15720A	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/26,719
RE-15720B	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/26,719
RE-25720A	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/31,719
RE-25720B	J64B	RM	DETECTR, HI RAD	GEN ATOMIC	RD-23	E-1	B-42	C2E/31,719
RR-15720A	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-15720B	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-15755A	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-15755B	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-25720A	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-25720B	J03C	CONT RAD	RECORDERS W/CABLES	BAILEY	771311AAAAZWA2	D		729'
RR-25755A	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
RR-25755B	J03C	PARTICUL	RECORDERS W/CABLES	BAILEY	771311AAAA2WAR	D		729'
R04	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2411	E-1	B-12	VARIOUS
R35	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2471	E-1	B-12	VARIOUS
R50	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2531	E-1	B-12	VARIOUS
R75	E130BC	GUE	CBL, 600V PW + CT.	OKONITE	112-11-2431	E-1	B-12	VARIOUS
SI-15001B	J03C	RCIC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
SI-25001B	J03C	RCIC	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
SV-07524A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-07524B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-07543A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,749
SV-07543B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,749
SV-07551A1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
SV-07551B1	M321-2	SGGT	SGTS DRAIN VALVES	CVI/FMC	VALVE-WECO MODEL 12	D		CS,806'V
SV-07802A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
SV-07802B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
SV-07824A1	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		783
SV-07824A2	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A3	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A4	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,783
SV-07824A5	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824A6	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B1	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		783
SV-07824B2	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B3	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B4	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,783
SV-07824B5	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07824B6	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		783
SV-07833A	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/21,806
SV-07833B	J69B	CSHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/21,806
SV-07872A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
SV-07872B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
SV-07873A	J69B	HVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		806
SV-07873B	J69B	CSHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		806
SV-1F079A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/29,645
SV-1F079B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/28,645
SV-1F080A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/29,645
SV-1F080B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-2,D	B-46	R1G/28,645
SV-1F105A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-204	E-2,D	B-46	R1G/29,670
SV-1F105B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-204	E-2,D	B-46	R1G/28,670
SV-11024A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-11024B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-11274A	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-11274B	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-12360A	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/29,683
SV-12360B	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/29,683
SV-12361	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1M/27,683
SV-12362A	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/28,683
SV-12362B	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1C/28,683
SV-12364	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1G/29,670
SV-12365	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1C/28,683
SV-12366	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1C/27,683
SV-12368	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/28,719
SV-12369	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/27,719
SV-12374	J70	TMI	VALVE, SOLENOID	TARGET ROCK	75KK-209	E-2	B-46	R1K/29,719
SV-12605	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-205	E-2,D	B-46	R1K/25,719
SV-12643	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-2,D	B-46	R1M/29,749
SV-12644	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/29,749
SV-12648	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-2,D	B-46	R1K/25,719
SV-12649	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,719
SV-12651	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-206	E-2,D	B-46	R1C/28,683
SV-12654A	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-2,D	B-46	R1J/29,749
SV-12654B	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-2,D	B-46	R1K/25,719
SV-12661	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,719
SV-12671	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,683
SV-14319	J69C	RR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,719
SV-14320	J69B	RR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1K/25,719
SV-14320	J69B	RR	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		719
SV-14924	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,670
SV-14925	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1H/28,645
SV-14926	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1H/28,645
SV-15004	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/28,645
SV-15005	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/28,645
SV-15122A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-15122B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150A	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/26,719
SV-15150B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/26,719
SV-15150B	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/26,719
SV-15151A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15151B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15152A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15152A	J69C	RHRSW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		670
SV-15152B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15153A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/29,670
SV-15153A	J69C	RHRSW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		670
SV-15153B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1G/28,670
SV-15169	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15170A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15170B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15188A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15188B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-15189A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15189B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-15191A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/29,670
SV-15191B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/28,670
SV-15203A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/26,761
SV-15203B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/26,761
SV-15206A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/26,761
SV-15206B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/26,761
SV-15521	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,670
SV-15528	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1B/28,645
SV-15529	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	R1B/28,645
SV-15625	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/25,645
SV-15626	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/25,645
SV-15703	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-15704	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/27,683
SV-15705	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/27,683
SV-15711	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1I/25,749
SV-15713	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/25,749
SV-15714	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/25,749
SV-15721	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15722	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15723	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15724	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15725	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/29,683
SV-15734A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/27,670
SV-15734B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/25,670
SV-15736A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-207	E-2,D	B-46	R1M/27,670
SV-15736B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1M/25,670
SV-15737	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/25,670
SV-15738	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,285
SV-15738	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/25,670
SV-15740A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15740B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15742A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15742B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15744A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15744A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15744B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15745A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15745A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15745B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15746A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15746A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15747A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15747A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-15747B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15748A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15748A,B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,27,RLK,28
SV-15748B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15750A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15750B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15752A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15752B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719
SV-15767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,28
SV-15768	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2	B-46	R1K/28,719
SV-15768	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK,28
SV-15774A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719
SV-15774B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/28,719'
SV-15776A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1K/27,719'
SV-15776B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-207	E-2,D	B-46	R1K/28,719'
SV-15780A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/27,719'
SV-15780B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/28,719'
SV-15782A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/27,719'
SV-15782B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-2,D	B-46	R1C/28,719'CO
SV-16108A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16108A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16116A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-16116A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/29,683
SV-17502A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/28,779
SV-17502B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/28,779
SV-17508A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1F/27,779
SV-17508B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1F/27,779
SV-17514A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/29,779
SV-17514B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	CS2/29,779
SV-17524A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/29,779
SV-17524B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/29,779
SV-17530A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17530B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17531A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17531B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17534A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1K/25,779
SV-17534B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17534C	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17534D	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/25-7,818
SV-17534E	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R5/28-7,818
SV-17534F	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17534H	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R1M/28,779
SV-17564A	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-17564B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-17576A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-17576B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/28,779
SV-17586A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-17586B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1,D	B-44	R4/29,779
SV-18743A	J69B	RBCW	VALVE, SOLENOID	CIRCLE SEAL	SV-31S	D		779
SV-18743B	J69B	RBHVAC	VALVE, SOLENOID	CIRCLE SEAL	SV-315	D		779
SV-18781A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/29,719
SV-18781A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/29,719
SV-18781B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/25,719
SV-18781B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/25,719
SV-18782A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18782B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18791A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/27,719
SV-18791A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/27,719
SV-18791B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/28,719
SV-18791B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/28,719
SV-18792A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-18792A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-18792B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1,D	B-45	C2E/26,779
SV-21024A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-21024B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-21274A	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-21274B	J69B	RHRSW	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-22361	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/
SV-22365	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLC/33,670
SV-22366	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLC/32,683
SV-22368	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-22369	J70	SS	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/
SV-22605	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-212	E-1*	B-46B	RLK/30,719
SV-22643	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-1*	B-46B	RLM/33,749
SV-22644	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/33,749
SV-22648	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-210	E-1*	B-46B	RLK/30,719
SV-22649	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-22651	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-215	E-1*	B-46B	RLC/33,683
SV-22654A	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-1*	B-46B	RLJ/33,749
SV-22654B	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-202	E-1*	B-46B	RLK/30,719
SV-22661	J70	NBVI	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719
SV-22671	J70	IG	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/30,683
SV-24319	J69C	RR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-24320	J69B	RR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1K/32,719
SV-24924	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,704
SV-24925	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1H/33,645
SV-24926	J69C	RCIC	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1H/33,645
SV-25004	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/33,645
SV-25005	J69B	RCIC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1H/33,645
SV-25122A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-25122B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-25150A	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C3E/31,719
SV-25150A	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/31,719
SV-25150B	J69C	RHR	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C3E/31,719
SV-25150B	P17B	RHR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	C2E/31,719
SV-25152A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25152B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25169	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25170A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25170B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25188A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25188B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25189A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25189B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,670
SV-25191A	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/33,670
SV-25191B	J69B	RHR	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1G/34,645
SV-25203A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/31,761
SV-25203B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2B/31,761
SV-25206A	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/31,761
SV-25206B	J69C	CS	VALVE, SOLENOID(IC)	ASCO	NP8344A70E	E-1	B-45	C2B/31,761
SV-25521	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,704
SV-25528	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1B/33,645
SV-25529	J69C	HPCI	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	R1B/33,645
SV-25625	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/30,645
SV-25626	J69B	HPCI	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1B/30,645
SV-25703	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25704	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25705	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/32,683
SV-25711	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1I/32,749
SV-25713	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/32,749
SV-25714	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/32,749
SV-25722	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,683
SV-25723	J69B	CAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,683
SV-25734A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/32,670

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-25734B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLM/30,670
SV-25736A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLM/32,670
SV-25736B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-216	E-1*	B-46B	RLM/30,670
SV-25737	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-213	E-1*	B-46B	RLM/30,670
SV-25740A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25740B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/33,719
SV-25742A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25742B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25744A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-221	E-1*	B-46B	RLK/32,719
SV-25744B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-221	E-1*	B-46B	RLK/33,719
SV-25745A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25745B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25746B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25747A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25747B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25748A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,719
SV-25748B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/33,719
SV-25750A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25750B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25752A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25752B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719
SV-25767	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-213	E-1*	B-46B	RLK/33,719
SV-25774A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,719
SV-25774B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/30,719
SV-25776A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-201	E-1*	B-46B	RLK/30,719
SV-25776B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-216	E-1*	B-46B	RLK/30,719
SV-25780A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,683
SV-25780B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,683
SV-25782A	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/32,683
SV-25782B	J70	CAC	VALVE, SOLENOID	TARGET ROCK	75KK-211	E-1*	B-46B	RLK/34,683
SV-26108A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26108A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26116A1	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-26116A2	P12B	LR	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1C/34,683
SV-27508A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/30,779
SV-27508B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1F/30,779
SV-27524A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27524B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27534A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1K/32,779
SV-27534B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27534D	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R5/32,818
SV-27534E	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R5/34,818
SV-27534F	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27534G	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,818
SV-27534H	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27534I	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R1M/34,779
SV-27576A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27576B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/34,779
SV-27586A	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-27586B	J69B	RBHVAC	VALVE, SOLENOID	CIRC SEAL CONTRL	SV31S-9101	E-1	B-44	R4/33,779
SV-28781A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/34,719
SV-28781A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1M/34,719
SV-28781B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/30,719
SV-28781B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/30,719
SV-28782A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28782B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28791A1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/32,719
SV-28791A2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/32,719
SV-28791B1	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/33,719
SV-28791B2	P12B	RBCCW	VALVE, SOLENOID	ASCO	NP8321A1E	E-1	B-49	R1K/33,719
SV-28792A1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-28792A2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792B1	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV-28792B2	J69C	RBCW	VALVE, SOLENOID(IC)	ASCO	NPKX8321	E-1	B-45	C2E/31,719
SV51-2F079A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/34,645
SV51-2F079B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/33,645
SV51-2F080A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/34,645
SV51-2F080B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-203	E-1*	B-46B	RLG/33,645
SV51-2F105A	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-214	E-1*	B-46B	RLG/34,670
SV51-2F105B	J70	RHR	VALVE, SOLENOID	TARGET ROCK	75KK-214	E-1*	B-46B	RLG/33,670
SY-15001B	J03C	RCIC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740111CAAN2	E-1*,D	B-34	R1M/25,670'
SY-15001B,VD	J03C	RCIC	VOLTAGE DIVIDER	BAILEY CONTRLS	6200K60G0700	E-1*,D	B-34	R1M/25,670'
SY-25001B	J03C	TURB SPEED	ISOLATORS	BAILEY	740111AAAN2	D		670'
S02	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-12-600V	E-2	B-11	OUTSD CO
S04	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12-600V	E-2	B-11	OUTSD CO
S05	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12-600V	E-2	B-11	OUTSD CO
S05	E103A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-12 600V	E-2	B-11	OUTSD CO
S07	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	7/C-12-600V	E-2	B-11	OUTSD CO
S12	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	2/C-10-600V	E-2	B-11	OUTSD CO
S13	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	3/C-10-600V	E-2	B-11	OUTSD CO
S14	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	4/C-10-600V	E-2	B-11	OUTSD CO
S18	E130A	GUE	CBL, 600V PW + CT.	AM INSL WR CRP	12/C-10-600V	E-2	B-11	OUTSD CO
TDIC-07552A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
TDIC-07552B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*,D	B-34	CS4/21,806'
TDM-07560	M336A	SGT	ACTUATOR, DAMPER	ITT GEN CONTRL	NH-90 SERIES	E-2	B-31B	CS9/12
TDSHL-07811A	J03C	CSHVAC	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TDSHL-07811B	J03C	CSHVAC	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TDSL-07552A	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
TDSL-07552B	J03C	SGT	ALARM UNIT (SINGLE)	BAILEY CONTRLS	745110AAAN2	E-1*,D	B-34	CS4/21,806'
TDY-07552A	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
TDY-07552B	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS4/21,806'
TDY-07811A	J03C	CSEOAS	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS6/21,806'
TDY-07811B	J03C	CSEOAS	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*,D	B-34	CS6/21,806'
TE-07551A	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS9/12,806
TE-07551B	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS9/12,806
TE-07552A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		806
TE-07552A1	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2,D	B-40	CS9/12,806
TE-07552A2	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2	B-40	CS9/12
TE-07552B	J59	RBHVAC	RTD	ROSEMOUNT	88-14-13	D		806
TE-07552B1	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2,D	B-40	CS9/12,806
TE-07552B2	J59	SGT	RTD, PLATINUM	ROSEMOUNT	88-14-13	E-2	B-40	CS9/12
TE-07801A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07801B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07802A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07802B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07811A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07811B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07814A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07814B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	CS7/12,806
TE-07821A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07821B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07831A	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-07831B	J59	CSHVAC	RTD	ROSEMOUNT	88-14-1	D		783
TE-08206A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206B	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206C	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08206D	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-08271A	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271B	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271C	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08271D	J59	DG	RTD	ROSEMOUNT	88-14-1	D		710
TE-08612A	J59	C.W.	RTD	ROSEMOUNT	88-13-25	D		806
TE-08612B	J59	C.W.	RTD	ROSEMOUNT	88-13-25	D		806
TE-08621A	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-13-25	E-2,D	B-40	CS4/21,806
TE-08621B	J59	CSHVAC	RTD, PLATINUM	ROSEMOUNT	88-13-25	E-2,D	B-40	CS4/21,806

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-15703	J59	CAC	RTD	ROSEMOUNT	88-14-1	D		704
TE-15725	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C3/26,704
TE-15751	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15752	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15753	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15754	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15755	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15756	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15757	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15758	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15759	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15760	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15761	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15762	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15763	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15764	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15765	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15766	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15767	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15768	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15769	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15770	J51B/D	CAC	RTD, SPOTMOS	HYCAL	RTS-41	E-1*	B-37	C3, 26,683
TE-15790A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2B/26,752'
TE-15790B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2B/26,752'
TE-15791A	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,806'
TE-15791B	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,806'
TE-15798B	J59	CAC	RTD	ROSEMOUNT	88-14-1	D		719
TE-15798B	J59	CAC	RTD'S	ROSEMOUNT	88-14-1	D		C,704'
TE-15799A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2C/26,704
TE-15799B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2,D	B-40	C2C/26,719
TE-18201A	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-18201B	J59	ESW	RTD	ROSEMOUNT	88-14-1	D		704
TE-25709A	J59C	CAC	RTD	CONAX	7349-10000-01	E-1	B-40B	C2B/31
TE-25725	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C3, 31
TE-25790A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2B, 31
TE-25790B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2B, 31
TE-25799A	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2C, 31
TE-25799B	J59	CAC	RTD, PLATINUM	ROSEMOUNT	88-14-1	E-2	B-40	C2C, 31
TI-07551A	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07551B	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07552A1	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07552B1	J03C	SGT	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07811A	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07811B	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS6/21,806'
TI-07814A	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS4/21,806'
TI-07814B	J03C	CSHVAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	CS6/21,806'
TI-08621A	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
TI-08621B	J03C	CSCW	INDICATORS W/CABLES	BAILEY	775111AAAN2	D		729'
TI-15725B	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15751	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15752	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-15790B2	J03C	CAC	INDICATOR	BAILEY CONTRLS	775121ABBN2	E-1*,D	B-34	R1M/25,670'
TI-25725A	J03C	SUPP CHMB	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
TI-25751	J03C	CONT HYDGN	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
TI-25752	J03C	CONT HYDGN	INDICATORS W/CABLES	BAILEY	775121ABBN2	D		670'
TI-25790A2	J03C	CONT TEMP	INDICATORS W/CABLES	BAILEY	775121ABBM2	D		670'
TIC-07552A	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		806'
TIC-07552B	J03C	SGTS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		806'
TIC-07801A	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07801B	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802A1	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802A2	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802B1	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07802B2	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TIC-07821A	J03C	COMP RM	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07821B	J03C	COMP RM	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07831A	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-07831B	J03C	CS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-08206A	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206B	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206C	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08206D	J03C	ESWPP	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-08271A	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271B	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271C	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08271D	J03C	DG	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		710'
TIC-08612A	J03C	CSCWS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-08612B	J03C	CSCWS	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		783'
TIC-18201A	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-18201B	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-28201A	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC-28201B	J03C	RHR	CONTROLLERS W/CABLES	BAILEY	701002AAAN1	D		704'
TIC07552A	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*	B-34	CS4/21
TIC07552B	J03C	SGT	CONTROLLERS	BAILEY CONTRLS	701002AABN1	E-1*	B-34	CS4/21
TQ1	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ4	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12 PR #20AWG	E-1	B-13	C2B
TQ5	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
TQ6	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	12 PR #16AWG	E-1	B-13	C2B
TQ7	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ8	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #20AWG	E-1	B-13	C2B
TQ9	E131A	GUE	CBL, INSTRU.	SAMUEL MOORE	1 PR #16AWG	E-1	B-13	C2B
TR-15790A1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-15790B1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-25790A1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TR-25790B1	J03C	CONT TEMP	RECORDERS W/CABLES	BAILEY	771311AAAAZWAR	D		729'
TSH-07801A	J03C	CSHV	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07801B	J03C	CSHV	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07821A	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07821B	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07831A	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07831B	J03C	COMPTR RM	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		783'
TSH-07841A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSH-07841B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSH-07842A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSH-07842B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSH-08206A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206C	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08206D	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-08271A	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271B	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271C	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08271D	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSH-08621A	J03C	CSCW	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		729'
TSH-08621B	J03C	CSCW	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		729'
TSH-15790A2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-15790B2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-15799A2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		754'
TSH-15799B2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-17631A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2,D	B-29	R1I, 29,719'
TSH-17631B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2,D	B-29	R1I, 29,719'
TSH-17661A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1H, 28,645'
TSH-17661B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1H, 28,645'
TSH-17663A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1B, 25,645'
TSH-17663B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2,D	B-29	R1B, 25,645'
TSH-18201A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-18201B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSH-25790A2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		741'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TSH-25790B2	J03C	CONT ATMOS	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-25799A2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		741'
TSH-25799B2	J03C	DRYWELL	SINGLE ALARM UNIT	BAILEY	745110AAAN2	D		698'
TSH-27631A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2	B-29	R1I, 34
TSH-27631B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 11A4	E-2	B-29	R1I, 34
TSH-27661A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1H, 33
TSH-27661B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1H, 33
TSH-27663A	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1B, 30
TSH-27663B	M320/M415	RBHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QF 10A4	E-2	B-29	R1B, 30
TSL-07802A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QD 11A4	E-2,D	B-29	CS4, 21,806'
TSL-07802B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SB12BKR/QD 11A4	E-2,D	B-29	CS4, 21,806'
TSL-07841A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSL-07841B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS4, 21,806'
TSL-07842A	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSL-07842B	M320/M415	CSHVAC	SWITCH, TEMPERATURE	ASCO	SC11AR/QD 10A4	E-2,D	B-29	CS6, 21,806'
TSL-08206A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206C	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08206D	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-08271A	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271B	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271C	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-08271D	M320	28C	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			677'
TSL-18201A	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TSL-18201B	M320	28A	TEMPERATURE SWITCH	ASCO	SC11 AR/OF 10A4			685'
TT-07551A	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07551B	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07552A1	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552A2	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552B1	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07552B2	J03C	SGT	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4, 21,806
TT-07801A	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07801B	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07802A	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07802B	J03C	CSHV	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07811A	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07811B	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07814A	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07814B	J03C	CSEOAS	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	CS4/21,806
TT-07821A	J03C	CMPTR RM	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07821B	J03C	CMPTR RM	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07831A	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-07831B	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-08206A	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206B	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206C	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08206D	J03C	ESWPP	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-08271A	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271B	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271C	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08271D	J03C	DG	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		710'
TT-08612A	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-08612B	J03C	CS	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		783'
TT-08621A	J03C	CSCW	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		729'
TT-08621B	J03C	CSCW	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		729'
TT-15725B	J03C	CAC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	R1M/25,670
TT-15790A	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		754'
TT-15790B	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-15790B2	J03C	CAC	CONVERTOR/ISOLATOR	BAILEY CONTRLS	740311CAAN2	E-1*,D	B-34	R1M/25,670
TT-15799A	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-15799B	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-18201A	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-18201B	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-25725A	J03C	SUPP CHMBR	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TT-25790A	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		741'
TT-25790A2	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		670'
TT-25790B	J03C	CONT TEMP	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-25799A	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		741'
TT-25799B	J03C	DRYWELL	RTD CONVTR,RACK MNT	BAILEY	740311CAAN2	D		698'
TT-28201A	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TT-28201B	J03C	RHR	RTD CONVTR,SHELF MNT	BAILEY	740321CAAN2	D		704'
TV-0755B	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-0755B	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
TV-07550A	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-07550A	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
TV-07550A	P12B	RBHVAC	AIR OPERATOR	MILLER FLUID PR	150#	D		R806
TV-07550A	P12B	RBHVAC	GATE VLVS, AIR	PACIFIC	150#	D		R806
TV-08612A	J65B	C.W.	CONTROL VALVES	MASONEILAN	80-80386	D		783
TV-08612B	J65B	C.W.	CONTROL VALVE	MASONEILAN	80-80386	D		783
TV-08643A	J65B	C.W.	CONTROL VALVES	MASONEILAN	90-80386	D		783
TV-08643B	J65B	C.W.	CONTROL VALVE	MASONEILAN	90-80386	D		783
TV-08652A	J65B	C.W.	CONTROL VAL/NUC SERV	MASONEILAN	90-80386	D		783
TV-08652B	J65B	C.W.	CONT VALV/NUC SERV	MASONEILAN	90-80386	D		783
TV-08662A	J65B	C.W.	CONTROL VAL/NUC SERV	MASONEILAN	90-80386	D		783
TV-08662B	J65B	C.W.	CONT VALV/NUC SERV	MASONEILAN	90-80386	D		783
TV97813A,B	P15B	HVAC	GATE VLVS, AIR	BORG WARNER	1500#	D		C806
TY-07552A	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4, 21,806'
TY-07552A1	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*	B-34	CS4, 21
TY-07552A1	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TY-07552B	J03C	SGT	SELECTOR, SIGNAL	BAILEY CONTRLS	747010AAAN2	E-1*,D	B-34	CS4, 21,806'
TY-07552B1	J03C	SGT	SUMMER/SCALAR	BAILEY CONTRLS	752410AAAN2	E-1*	B-34	CS4, 21
TY-07552B1	J03C	SGT	ALARM UNIT (DUAL)	BAILEY CONTRLS	745210AAAN2	E-1*,D	B-34	CS4/21,806'
TY-15790A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
TY-15790B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-15799A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		754'
TY-15799B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-25790A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
TY-25790B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
TY-25799A	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		741'
TY-25799B	J03C	CONT PRSS	ISOLATORS	BAILEY	740111AAAN2	D		698'
V-CABLES	J63	NBS	CABLE ASSEMBLY	TEC	424-C2	E-1	B-41	C2E/26,739
V-CABLES	J63	NBS	CABLE ASSEMBLY	TEC	424-C2	E-1	B-41	C2E/31,739
VE-14180A1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180A8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-14180B8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/26,739
VE-24180A1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180A8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B1	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B2	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
VE-24180B3	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B4	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B5	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B6	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B7	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VE-24180B8	J63	NBS	ACCELEROMETER	TEC	424-ISO-TEC	E-1	B-41	C2E/31,739
VT-14180A1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180A8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-14180B8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/26,739
VT-24180A1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180A8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B1	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B2	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B3	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B4	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B5	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B6	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B7	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
VT-24180B8	J63	NBS	CHARGE CONVERTERS	TEC	TEC 504B	E-1	B-41	C2E/31,739
XISH-07802A	M320/M415	CSHVAC	DETECTR, CL GAS	WALLACE & TIER	50-125D	E-2,D	B-29	CS4, 21,806'
XISH-07802B	M320/M415	CSHVAC	DETECTR, CL GAS	WALLACE & TIER	50-125D	E-2,D	B-29	CS4, 21,806'
XJ03428-A3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-B3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-C3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XJ03428-D3	M30CES	DG	EXP JOINT -DSL EXH	PATHWAY BELLOWS	N/A	D		G,677'
XV-13910B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910K	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-13910P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-1411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-1411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-14201	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-14411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-14411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15110A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15110D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-15516	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		670
XV-15517	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15709A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15709B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV-15710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15710B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15728A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15728B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-15775A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15775B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-15776	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		670
XV-15777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15778A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-15778B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV-23910B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910K	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-23910P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24201	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-24411D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV-25109C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25109D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25110A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25110D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV-25701A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25709A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25709B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25710A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25710B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25728A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV-25728B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F009	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-1F070A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F070D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV41-1F071A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F071D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F072D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-1F073D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F009	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-2F041	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV41-2F070A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F070D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F071D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F072D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV41-2F073A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV41-2F073D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F041	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F043A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F043B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F045A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F045B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F047A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F047B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-1F051A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F051D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F053D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F055	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F057	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F059U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-1F061	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F003B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F004A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F004B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV42-2F043A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F043B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F045A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F045B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F047A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F047B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		749
XV42-2F051A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F051D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F053D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F055	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F057	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059E	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059F	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059G	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV42-2F059H	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059L	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059M	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059N	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059P	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059R	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059S	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059T	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F059U	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV42-2F061	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F003A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F003B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F004A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F004B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F009D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F010D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F011D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F012D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F017A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F017B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-1F040A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F040D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F057A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-1F057B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F003A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F009D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F010D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F011D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F012D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F017A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-2F017B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV43-2F040A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F040D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F057A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV43-2F057B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV44-1F046	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
XV44-2F046	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-1F044D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-2F044A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV49-2F044B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV51-15109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-15109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-25109A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV51-25109B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV52-1F018A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-1F018B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-2F018A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV52-2F018B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		719
XV55-1F024A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-1F024D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024C	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-2F024D	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25516	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25517	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25775A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25775B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25776	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		683
XV55-25777	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25778A	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XV55-25778B	J92	CI	EX FLOW CHECK VALVES	MAROTTA	FVL16FD	D		645
XY-01109A1	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-01109B1	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06201	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06202	J49	RADWASTE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06203	J49	RADWASTE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06433	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-06434	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-14201A	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201B	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201C	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201D	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201E	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-14201F	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-15500	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-24201A	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201B	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201C	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201D	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201E	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-24201F	J49	GUE	IE SIGNAL ISOLATORS	TEC	156J	D		
XY-25500	J49	GUE	IE SIGNAL ISOLATORS	TEC	156A	D		
XY-25755A1	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755A2	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755A3	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B1	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B2	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
XY-25755B3	J49	CAC	IE SIGNAL ISOLATORS	TEC	156D	D		
X01	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-116	E-1	B-15B	C2C, 31
X02	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-110A	E-1	B-15B	C2C, 31
X03	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-207	E-1	B-15B	OUTSD CO
X06	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-112	E-1	B-15B	OUTSD CO
X07	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-204	E-1	B-15B	OUTSD CO
X08	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-104	E-1	B-15B	C2C, 31

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
X09	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-105	E-1	B-15	OUTSD PC
X09	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-105	E-1	B-15B	OUTSD CO
X31	E133AC	GUE	CBL, SPECLTY	ROCKBESTOS	RSS-6-101	E-1	B-15B	OUTSD CO
ZS-08301A	J65B	CSHVAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	CS4/12
ZS-08301B	J65B	CSHVAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	CS4/12
ZS-11024A1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024A2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024B1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11024B2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-11143A	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,670
ZS-11143B	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,670
ZS-14319	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-14320	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/25,719
ZS-14924	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,704
ZS-14925	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-14926	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-14954	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15004	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15005	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15106A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15106B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15107A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15107B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/26,752
ZS-15122A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-15122B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,719
ZS-15150A	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15150B	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15160A	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15160B	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/26,719
ZS-15170A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15170B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15189A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15189B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/28,670
ZS-15191A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/29,670
ZS-15191B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/28,670
ZS-15203A	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B/26,761
ZS-15203B	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B/26,761
ZS-15521	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/26,704
ZS-15528	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15529	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15554	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/28,645
ZS-15625	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/25,645
ZS-15626	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/25,645
ZS-15703	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-15704	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/27,683
ZS-15705	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/27,683
ZS-15711	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1I/25,749
ZS-15713	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/25,749
ZS-15714	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/25,749
ZS-15721	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15722	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15723	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15724	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-15725	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/29,683
ZS-16108A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16108A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16116A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-16116A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/29,683
ZS-18781A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/29,719
ZS-18781A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/29,719
ZS-18781B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/25,719
ZS-18781B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/25,719
ZS-18782A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18782A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
ZS-18782B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18782B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18791A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/27,719
ZS-18791A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/27,719
ZS-18791B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/28,719
ZS-18791B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/28,719
ZS-18792A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-18792B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 26
ZS-21024A1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21024A2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21024B1	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/32,683
ZS-21024B2	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/34,683
ZS-21143A	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,670
ZS-21143B	P16A	ESW	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,670
ZS-24319	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-24320	J65B	RR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/30,719
ZS-24924	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-24925	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,719
ZS-24926	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-24954	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25004	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25005	J65B	RCIC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25106A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25106B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25107A	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25107B	P17A	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2B/31,752
ZS-25122A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-25122B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E/31,719
ZS-25150A	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25150B	P17B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25160A	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25160B	P17A	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	C2E/31,719
ZS-25170A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25170B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25189A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25189B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/33,670
ZS-25191A	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/34,670
ZS-25191B	J65B	RHR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/33,645
ZS-25203A	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B, 31
ZS-25203B	J65B	CS	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2B, 31
ZS-25521	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2E,31,704
ZS-25528	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25529	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25554	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1H/33,645
ZS-25625	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/30,645
ZS-25626	J65B	HPCI	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1A/30,645
ZS-25703	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,683
ZS-25704	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1M/30,683
ZS-25705	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1G/32,683
ZS-25711	J65B	CAC	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	R1I/32,749
ZS-25713	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/32,749
ZS-25714	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1E/32,749
ZS-25721	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25722	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25723	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25724	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-25725	P31A	CAC	SWITCH, POSITION	NAMCO	EA740	E-1	B-50	R1C/34,683
ZS-26108A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26108A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26116A1	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-26116A2	P12B	LR	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1C/34,683
ZS-28781A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/34,719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
ZS-28781A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1M/34,719
ZS-28781B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/30,719
ZS-28781B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/30,719
ZS-28782 A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28782 B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28791A1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/32,719
ZS-28791A2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/32,719
ZS-28791B1	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/33,719
ZS-28791B2	P12B	RBCCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-49	R1K/33,719
ZS-28792 A1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 A2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 B1	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
ZS-28792 B2	J65B	RBCW	SWITCH, POSITION	NAMCO	EA-180	E-1	B-43	C2D, 31
Z02	E401	GUE	CBL, 600V PW + CT	BIW	2/C #14-600V	E-1	B-21	IN PC
Z03	E401	GUE	CBL, 600V PW + CT	BIW	3/C #14-600V	E-1	B-21	IN PC
Z05	E401	GUE	CBL, 600V PW + CT	BIW	5/C #14-600V	E-1	B-21	IN PC
Z07	E401	GUE	CBL, 600V PW + CT	BIW	7/C #14-600V	E-1	B-21	IN PC
Z12	E401	GUE	CBL, 600V PW + CT	BIW	12/C #14-600V	E-1	B-21	IN PC
Z13	E401	GUE	CBL, 600V PW + CT	BIW	3/C #10-600V	E-1	B-21	IN PC
Z61	E401	GUE	CBL, 600V PW + CT	BIW	1/C #6-600V	E-1	B-21	IN PC
Z63	E401	GUE	CBL, 600V PW + CT	BIW	3/C #6-600V	E-1	B-21	IN PC
Z83	E401	GUE	CBL, 600V PW + CT	BIW	3/C #8-600V	E-1	B-21	IN PC
0-11-041	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-042	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-043	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-044	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-045	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-046	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-047	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-048	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-049	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-050	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-051	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0-11-052	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
0ATS-516	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
0ATS-526	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
0ATS-536	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
0ATS-546	E152	MCC SUPPLY	SWITCH, AUTO TRANSF	RUSSELECTRIC	RMT 4004 CEF	D		DG, 677'
0B536	E118	EPD	MCC, 480V	CUTLER-HAMMER	MCC	D		DG,677'
0B546	E118	EPD	MCC, 480V	CUTLER-HAMMER	MCC	D		DG,677'
0C577A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
0C577A	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
0C577B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
0C577B	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
0C577C	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
0C577C	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
0C577D	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		710'
0C577D	M334	028C	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		G,710'
0C578	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		704
0C578	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		704'
0C578	M334	028A	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		SW,704'
0C579	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		704'
0C579	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		704
0C579	M334	028A	HVAC CONTROL PNLS	COMSIP CUSTOMLN	N/A	D		SW,704'
0C681	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		729
0C876A	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		806
0C876A, SRU	J03C	CSEOAS	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
0C876B	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		806'
0C876B, SRU	J03C	CSEOAS	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS6/21,806'
0C877A	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		783'
0C877A	M334	30L	CONTROL PANELS	COMSIP CUSTOMLN	N/A	D		CS,783'
0C877B	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		783'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
0C877B	M334	30L	CONTROL PANELS	COMSIP CUSTOMLN	N/A	D		CS,783'
0C883A, PWRSUP	J03C	SGT	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	CS4/21,806'
0C883A, RACK	J03C	SGT	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	CS4/21,806'
0C883A, SHELF	J03C	SGT	SHELF - 4 UNIT	BAILEY CONTRLS	762040AAAN1	E-1*,D	B-34	CS4/21,806'
0C883A, SRU	J03C	SGT	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
0C883B, PWRSUP	J03C	SGT	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	CS4/21,806'
0C883B, RACK	J03C	SGT	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	CS4/21,806'
0C883B, SHELF	J03C	SGT	SHELF - 4 UNIT	BAILEY CONTRLS	762040AAAN1	E-1*,D	B-34	CS4/21,806'
0C883B, SRU	J03C	SGT	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*,D	B-34	CS4/21,806'
0F-509A	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
0F-509B	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
0F-509C	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
0F-509D	M30CES	DG	LUBE OIL FILTER	COOPER ENERGY	18333-5113-27-6F6K2	D		G,679'
0F-514A	M30CES	DG	AIR INTAKE SILENCER	COOPER ENERGY	N/A	D		G,677'
0P-514A	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514B	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514C	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0P-514D	M58		DSL OIL XFER PUMP	CHEMPUMP DIV	GB-1 1/2 K	D		649'
0V-103A	M309	CB HV	AIR HANDLING UNITS	CARRIER	39ED75	D	N/A	CS,783'
0V-103B	M309	CB HV	AIR HANDLING UNITS	CARRIER	39ED75	D	N/A	CS,783'
0V-115A	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
0V-115B	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
0V-117A	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
0V-117B	M309	CB HV	AIR HANDLING UNITS	CARRIER	N/A	D	N/A	CS,783'
0V-144A	M309	SBGT	AIR HANDLING UNITS	CARRIER	39EH10	D	N/A	CS,806'
0V-144B	M309	SBGT	AIR HANDLING UNITS	CARRIER	39EH10	D	N/A	CS,806'
0V109A	M362	SBGT	SGTS CENTRIF FANS	BUFFALO FORGE	BL	D		CS,806'
0V109B	M362	SBGT	SGTS CENTRIF FANS	BUFFALO FORGE	BL	D		CS,806'
0X507	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X508	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X509	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X510	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		DG,710'
0X512	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		SW,685'
0X513	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	D		SW,685'
012030	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
012032	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
012033	P12B		GLOBE VLV,GEAR	PACIFIC	3" HBB-GT-GO			SW,678'
1-11-127A	J65B	ESW	CONTROL VALVES	MASONEILAN	20-37010	D		660
1-11-127B	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
1-11-127C	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
1-11-127D	J65B	ESW	CONTROL VALVE	MASONEILAN	20-37010	D		660
1ATS-219	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1M, 27,670'
1ATS-229	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1K, 25,719'
1A201	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1A202	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 28,749'
1A203	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,719'
1A204	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 28,719'
1A205	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1A206	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2,D	B-1	R1I, 29,749'
1B210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 29,749'
1B216	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,683'
1B217	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 29,749'
1B219	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,670'
1B220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 28,749'
1B226	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,683'
1B227	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 28,749'
1B229	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 28,719'
1B230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 29,719
1B236	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236033	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236032	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236021	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236011	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236043	E-2,D	B-20	R1K, 29,719'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236042	E-2,D	B-20	R1K, 29,719'
1B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B236082	E-2,D	B-20	R1K, 29,719'
1B237	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,670'
1B240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 28,719
1B246	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246103	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246061	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246102	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246081	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246051	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246091	E-2,D	B-20	R1K, 28,719'
1B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL621B246072	E-2,D	B-20	R1K, 28,719'
1B247	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,670'
1C-201	J03C		SHELVES	BAILEY	762070AAAN1	D		670'
1C-201	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		670
1C-227A	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
1C-227B	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
1C-601	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		729
1C-622	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		754
1C-623	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		698
1C-661A1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		754'
1C-661A1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		754'
1C-661B1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		698'
1C-661B1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		698
1C-674	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C-675	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C-690A	J17	CAC	PANEL,ANAL,H2/O2,REM	COMSIP-DELPHI	K-IV	D		CS,729'
1C-693	J03C		SHELVES	BAILEY	762010AAAN1	D		729
1C-693	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		729
1C-693	J27	CAC	CONTANMT HYD OXY ANL	COMSIP-DELPHI	K-IV	D		719
1C-693	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		729
1CB-243	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		645
1CB216A	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,683'
1CB216B	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,683'
1CB218A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
1CB218B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
1CB220A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/27,719'
1CB220B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/27,683'
1CB244	J98	TM	CARRIER MOD(ISOLATR)	VALIDYNE ENGR	CM249	D		645
1C201	J03C	SGTS	SPECIAL SRU'S	BAILEY	766100BAAN2WCA	D		670'
1C201	J03C	SGTS	SPECIAL SRU'S	BAILEY		D		670'
1C201	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		670
1C201A	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 25
1C201A, PWRSUP	J03C	GUE	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	R1M/25,670'
1C201A, RACK	J03C	GUE	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	R1M/25,670'
1C201A, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2WCE	E-1*	B-34	R1M/25
1C201A, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*	B-34	R1M/25
1C201B	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 25
1C201B, PWRSUP	J03C	GUE	POWER SUPPLY	BAILEY CONTRLS	8080B02P008	E-1*,D	B-34	R1M/25,670'
1C201B, RACK	J03C	GUE	RACK	BAILEY CONTRLS	761000AAAN1	E-1*,D	B-34	R1M/25,670'
1C201B, SHELF	J03C	GUE	SHELF - 3 UNIT	BAILEY CONTRLS	762030AAAN1	E-1*,D	B-34	R1M/25,670'
1C201B, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2	E-1*	B-34	R1M/25
1C201B, SRU	J03C	GUE	SIGNAL RESIST UNIT	BAILEY CONTRLS	766100BAAN2WCD	E-1*	B-34	R1M/25
1C209	J05AC	LRW	PANL, CONTR (LRW)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1K/28,719'
1C215A	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 27-
1C215A	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
1C215B	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
1C215B	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 28-
1C215C	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 27-
1C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
1C215D	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
1C215D	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 25-
1C221	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/27,670'
1C222	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2,D	B-22B	R1M/25,683'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1C226A	J17	CAC	PUMP, ANAL, H2/02	COMSIP DELPHI	11706	E-2,D	B-37	R1K/27
1C226A	J17	CAC	MTR, ANAL, H2/02	COMSIP DELPHI	IYF882640AZONE	E-2,D	B-37	R1K/27
1C226A	J17	CAC	PANEL, ANAL, H2/02	COMSIP DELPHI	K-1V	E-2,D	B-35	R1K/27,719'
1C226B	J17	CAC	MTR, ANAL, H2/02	COMSIP DELPHI	IYF882640AZONE	E-2,D	B-37	R1K/28,719'
1C226B	J17	CAC	PANEL, ANAL, H2/02	COMSIP DELPHI	K-1V	E-2,D	B-35	R1K/28
1C226B	J17	CAC	PUMP, ANAL, H2/02	COMSIP DELPHI	11706	E-2,D	B-37	R1K/28
1C246	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1M, 27,670'
1C247	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1K, 28,719'
1C601	J03C		SHELVES	BAILEY	762030AAAN1	D		729
1C601	J03C		SHELVES	BAILEY	762020AAAN1	D		729
1C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAN2WCC	D		754'
1C661A1	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		754
1C661A1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		754'
1C661A2	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661A3	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		754
1C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAN2WCC	D		698'
1C661B1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		698'
1C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		698'
1C661B1	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C661B2	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C661B3	J05	ESS	CONTROL PANEL	COMSIP	CUSTOM LINE	D		698
1C681	J05	HVAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
1C690A	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
1C690B	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
1C690B	J17	CAC	PANEL,ANAL,H2/02,REM	COMSIP-DELPHI	K-IV	D		CS, 729
1C693	J05	CAC	CONTROL PANEL	COMSIP	CUSTOM LINE	D		729
1C693	J03C		SHELVES	BAILEY	762020AAAN1	D		729
1C693	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		729'
1C693	J03C		SHELVES	BAILEY	762040AAAN1	D		729
1C694	J05		CONTROL PANEL	COMSIP	CUSTOM LINE	D		749
1D610	E119	SBDCP	125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D611	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D612	E121	SBDCP	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D613	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D614	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D620	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D621	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D622	E121	SBDCP	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D623	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D624	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D630	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D631	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D632	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D633	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D634	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D640	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
1D641	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
1D642	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
1D643	E119	SBDCP	CHRGS,BTTRY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
1D644	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
1D650	E119	SBDCP	BATTERY, 250VDC	C&D BATTERIES	LC-25	D		CS,771'
1D651	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
1D652	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
1D653A	E119	SBDCP	CHRGS,BTTRY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D653B	E119	SBDCP	CHRGS,BTTRY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D660	E119	SBDCP	BATTERY, 250VDC	C&D BATTERIES	LC-25	D		CS,771'
1D661	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
1D662	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
1D663	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
1D670	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
1D671	E119	SBDCP	FUSE BXES,BTTRY,24V	PWR CONVER PROD	100A	D		CS,771'
1D672	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
1D673	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1D674	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D675	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D676	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D680	E119	SBDCP	BATTERY 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
1D681	E119	SBDCP	FUSE BXES,BATTY,24V	PWR CONVER PROD	100A	D		CS,771'
1D682	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
1D683	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D684	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
1D685	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D686	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D691	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D692	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D693	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D694	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D695	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1D696	E119	SBDCP	MONITOR BATTERY	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
1E203A	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001B	D		R,731'
1E203B	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001F	D		R,731'
1E203C	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001K	D		R,731'
1E203D	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001P	D		R,731'
1E440A	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,26,690'
1E440B	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,26,690'
1E440C	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,26,704'
1E440D	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,26,704'
1F-401A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-401B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-402A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-402B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404C	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-404D	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-407A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-407B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-408A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-408B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-409A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-409B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-410A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1F-410B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
1G202	E151	SBACP	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1M, 27,670'
1G203	E151	SBACP	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1K, 28,719'
1H-213	M22		U 1 RX BLDG CRANE	HARNISCHFEGER P&H	NONE	D		R,850'
1P-506A	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
1P-506B	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
1P506A	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
1P506B	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
1S-252	M192	FUEL PL	SPENT FUEL RACKS	PAR SYSTEMS	N/A	D	N/A	R,779'
1S246	E151	SBACP	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1M, 27,670'
1S247	E151	SBACP	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1K, 28,719'
1V-208A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1H (28)
1V-208B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1H (28)
1V-209A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1B (28)
1V-209B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	182 TCZ	E-1*	B-26	R1B (28)
1V-210A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210C	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-210D	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	256 TCZ	E-1*	B-26	R1G (29)
1V-211A	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211B	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211C	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-211D	M399C	RBHVAC	MOTR/"F" INSULATION	WESTINGHOUSE	184 TCZ	E-1*	B-26	R1A (27)
1V-222A	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
1V-222B	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1V-414A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-414B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-415A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-415B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-416A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1V-416B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 26
1W100A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W100D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W101A	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,735'
1W101B	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,733'
1W101C	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,733'
1W101D	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,730'
1W101E	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,730'
1W101F	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 26,727'
1W102A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729
1W102B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W103A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W103B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,707'
1W104B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W104D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,712'
1W105A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W105D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W106A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W106D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W107	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,741'
1W108	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 26,729'
1W300	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,688'
1W301	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,688'
1W330B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 26,687'
1X210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 29,749'
1X216	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 27,683'
1X220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 28,749'
1X226	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 28,683'
1X230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 29,719
1X236	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 29,719'
1X240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 28,719
1X246	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 28,719'
1Y216	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 27,683'
1Y218	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 29,719'
1Y226	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 28,683'
1Y236	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 29,719'
1Y246	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 28,719'
2ATS-219	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1M, 32,670'
2ATS-229	E152	GUE	SWITCH, AUTO TRANSF	RUSS ELEC INC	RMT 4004CEF	E-2,D	B-19	R1K, 30,719'
2A201	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749
2A202	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2A203	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 34,719'
2A204	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,719'
2A205	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2A206	E109	SBACP	SWTCHGR, 4.16KV	WESTINGHOUSE	50 DHP-250	E-2*,D	B-1	R1I, 33,749'
2B210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 33,749
2B216	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,683'
2B217	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 33,749'
2B219	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,749'
2B220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 34,749
2B226	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 33,683'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2B227	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 34,749'
2B229	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1K, 33,749'
2B230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2,D	B-3	R1I, 34,719
2B236	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236033	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236032	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236082	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236011	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236043	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236042	E-2,D	B-20	R1K, 34,719'
2B236, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B236021	E-2,D	B-20	R1K, 34,719'
2B237	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 32,670'
2B240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	NONE	E-2	B-3	R1I, 33,719
2B246	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1I, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246051	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246102	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246081	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246061	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246072	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246103	E-2,D	B-20	R1K, 33,719'
2B246, RELAY	E158	GUE	RELAY, TIMING	AGASTAT	E7012ADL622B246091	E-2,D	B-20	R1K, 33,719'
2B247	E118	SBACP	MCC, 480V	CUTLER-HAMMER	UNITROL	E-2,D	B-4	R1M, 33,670'
2C-201	J03C		RACK UNITS	BAILEY	761000AAAN1	D		670
2C-201	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		670
2C-227A	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		719
2C-661A1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		754
2C-661A1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		754
2C-661B1	J03C		RACK UNITS	BAILEY	761000AAAN1	D		698
2C-661B1	J03C		POWER SUPPLY	BAILEY	8080B02P0009	D		698
2C-693	J03C		POWER SUPPLY	BAILEY	8080B02P0008	D		729
2C-693	J27	CAC	CONTANMT HYD OXY ANL	COMSIP-DELPHI	K-IV	D		719
2C-693	J27	CR	RCPB LEAK DETCTN SYS	NUCLEAR MSRMNTS	NONE	D		729
2CB216A	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
2CB216B	J05AC	RBCCW	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
2CB218A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
2CB218B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
2CB220A	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 32
2CB220B	J05AC	CAC	COMPONENT BOX	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 32
2C201	J03C	SGTS	SPECIAL SRU'S	BAILEY		D		670'
2C201	J03C		SHELVES	BAILEY	762030AAAN1	D		670
2C201	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		670
2C201	J03C		SHELVES	BAILEY	762070AAAN1	D		670
2C201	J03C	SGTS	SPECIAL SRU'S	BAILEY	766100BAAN2WCB	D		670'
2C201A	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 30
2C201B	J05B	GUE	PANL, CONTR	MAGNETICS	NONE	E-2,D	B-22B	R1P, 30
2C209	J05AC	LRW	PANL, CONTR (LRW)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1K, 33
2C215A	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
2C215A	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1M, 32
2C215B	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,683'
2C215B	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1N, 33
2C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
2C215C	M87	CAC	HYDRGN RECM PWR SUP	WESTINGHOUSE	A	D		R,719'
2C215C	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 34
2C215D	M87	CAC	PW SUPLY HYDRO RECMB	WESTINGHOUSE	SP-4070-1	E-2	B-25	R1K, 30
2C221	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 32
2C222	J05AC	ESS	PANL, CONTR (ESS)	COMSIP CUSTLNS	NONE	E-2	B-22B	R1M, 30
2C226A	J17	CAC	PANEL, ANAL, H2/02	COMSIP DELPHI	K-1V	E-2	B-37	R1K/32,719'
2C226A	J17	CAC	PUMP, ANAL, H2/02	COMSIP DELPHI	11706	E-2	B-37	R1K/32
2C226A	J17	CAC	MTR, ANAL, H2/02	COMSIP DELPHI	IYF882640AZONE	E-2	B-37	R1K/32
2C226B	J17	CAC	MTR, ANAL, H2/02	COMSIP DELPHI	IYF882640AZONE	E-2	B-37	R1K/33,719'
2C226B	J17	CAC	PUMP, ANAL, H2/02	COMSIP DELPHI	11706	E-2	B-37	R1K/33
2C226B	J17	CAC	PANEL, ANAL, H2/02	COMSIP DELPHI	K-1V	E-2	B-37	R1K/33
2C227B	J27	CR	RCPB LEAK DETEC SYS	NUCLEAR MSRMNTS	NONE	D		719
2C246	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1M, 32,670'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2C247	E151	SBACP	PANL, MG CONTR	ENGINE POWER	RB-MG-CTL-CAB	E-2,D	B-18	R1K,'33,719'
2C601	J03C		SHELVES	BAILEY	762020AAAN1	D		729
2C601	J03C		SHELVES	BAILEY	762030AAAN1	D		729
2C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		754'
2C661A1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		754'
2C661A1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		754'
2C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		698'
2C661B1	J03C		RACK UNITS	BAILEY	761200AAAN2	D		698'
2C661B1	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		698'
2C690A	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
2C690B	J03C		SIGNAL RESIST UNITS	BAILEY	766110BAAA2WCC	D		729'
2C693	J03C		SHELVES	BAILEY	762040AAAN1	D		729
2C693	J03C		SHELVES	BAILEY	762020AAAN1	D		729
2C693	J03C		SIGNAL RESIST UNITS	BAILEY	766100BAAN2	D		729'
2C693	J03C		SHELVES	BAILEY	762010AAAN1	D		729
2D610	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D611	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D612	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D613	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D614	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D620	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D621	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D622	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D623	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D624	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D630	E119	SBDCP	BATTERY, 125VDC	C&D BATTERIES	KC-19	D		CS,771'
2D631	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D632	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D633	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D634	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D640	E119	SBDCP	BATTERY, 125V	C&D BATTERIES	KC-19	D		CS,771'
2D641	E119	SBDCP	FUSE BXES,BTTRY,125V	PWR CONVER PROD	1000A	D		CS,771'
2D642	E121	EL PWR DIS	DC LOAD CNTR,125V	GENERAL ELEC	AKD-5	D		CS,771'
2D643	E119	SBDCP	CHRGS,BATTERY,125V	PWR CONVER PROD	3SD-130-100CE	D		CS,771'
2D644	E120	SBDCP	DISTRIB PNLS,125V	ITE-GOULD	CDP-222	D		CS,771'
2D650	E119	SBDCP	BATTERY, 250V	C&D BATTERIES	LC-25	D		CS,771'
2D651	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
2D652	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
2D653A	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D653B	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D660	E119	SBDCP	BATTERY, 250V	C&D BATTERIES	LC-25	D		CS,771'
2D661	E119	SBDCP	FUSE BXES,BTTRY,250V	PWR CONVER PROD	2000A	D		CS,771'
2D662	E121	EL PWR DIS	DC LOAD CNTR,250V	GENERAL ELEC	AKD-5	D		CS,771'
2D663	E119	SBDCP	CHRGS,BATTERY,250V	PWR CONVER PROD	3DS-260-300CE	D		CS,771'
2D670	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
2D671	E119	SBDCP	FUSE BXES,BTTRY,24V	PWR CONVER PROD	100A	D		CS,771'
2D672	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
2D673	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D674	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D675	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D676	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D680	E119	SBDCP	BATTERY, 24VDC	C&D BATTERIES	3 DCU-7	D		CS,771'
2D681	E119	SBDCP	BTTRY FUSE BXES,24V	PWR CONVER PROD	100A	D		CS,771'
2D682	E120	SBDCP	DISTRIB PNLS,24V	ITE-GOULD	FC-20	D		CS,771'
2D683	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D684	E119	SBDCP	BATTERY CHRGS,24V	PWR CONVER PROD	SD-24-25CE	D		CS,771'
2D685	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D686	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D691	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D692	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D693	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D694	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D695	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'
2D696	E119	SBDCP	BATTERY MONITOR	PWR CONVER PROD	2210-1000-1,2,3	D		CS,771'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2E203A	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001B	D		R,731'
2E203B	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001F	D		R,731'
2E203C	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001K	D		R,731'
2E203D	M1030	MSIV LC	MSIV LKG CNTRL HTR	GENERAL ELECTRIC	E32-B001P	D		R,731'
2E440A	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,31,690'
2E440B	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C3,31,690'
2E440C	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,31,704'
2E440D	M87	CAC	RECOMB, HYDROGEN	WESTINGHOUSE	A	E-2,D	B-25	C-2D,31,704'
2F-401A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-401B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-402A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-402B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404C	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-404D	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-407A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-407B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-408A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-408B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-409A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-409B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-410A	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2F-410B	M151	POOL SUCT	SUP PL SUCT STRAIN	WINSTON MFG	50-P & 51-P	D	N/A	C,645'
2G202	E151	GUE	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1M, 32,670'
2G203	E151	GUE	GENERATOR,MG SET	ENGINE POWER	GEN. 100-483361121	E-2,D	B-18	R1K, 33,719'
2P-506A	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
2P-506B	M12	RHR SW	RHR SRVC WTR PUMP	BYRON JACKSON	28 KXL 2-STAGE VCT	D		SW,661'
2P506A	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
2P506B	E112	RHR SW	MTR, RHR SW PP	GENERAL ELEC	5K6328XC364A	D		SW,685'
2S-252	M192	FUEL PL	SPENT FUEL RACKS	PAR SYSTEMS	N/A	D	N/A	R,779'
2S246	E151	GUE	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1M, 32,749'
2S247	E151	GUE	MOTOR, MG SET	ENGINE POWER	MOT. 150-480364321	E-2,D	B-18	R1K, 33,749'
2T-226A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-226D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,745'-7"
2T-401A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-401D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-402F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403A	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403B	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403C	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403D	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403E	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403F	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403G	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403H	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403J	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403K	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403L	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403M	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403N	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403P	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403R	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2T-403S	M156	IG	CONT INSTR GAS ACCU	RICHMOND ENG	N/A	D	N/A	C,752'-2-1/2"
2V-222A	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2V-222B	M309	EM SW GR	AIR HANDLING UNITS	CARRIER	39ED26	D	N/A	CS,739'
2V-414A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-414B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-415A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-415B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-416A	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2V-416B	M317	RBHVAC	MOTR UNIT COOLER	RELIANCE	286TCZ	E-2	B-28	C2D, 31
2W100A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W100D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W101A	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,735'
2W101B	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,733'
2W101C	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,733'
2W101D	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,730'
2W101E	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,730'
2W101F	E135	GUE	PENTR, ELEC (MV)	WESTINGHOUSE	CANNISTER	E-2,D	B-16B	C2E, 31,727'
2W102A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W102B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W103A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W103B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,707'
2W104B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W104D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,712'
2W105A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W105D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W106A	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106C	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W106D	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W107	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,741'
2W108	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C2E, 31,729'
2W300	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,688'
2W301	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,688'
2W330B	E135A	GUE	PENTR, ELEC (LV)	WESTINGHOUSE	MODULAR	E-2,D	B-16A	C3 31,687'
2X210	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 33,749
2X216	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 32,683'
2X220	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 34,749
2X226	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1M, 33,683'
2X230	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2,D	B-3	R1I, 34,719
2X236	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 34,719'
2X240	E117	SBACP	LOAD CNTR, 480V	BROWN-BOVERI	VU-9	E-2	B-3	R1I, 33,719
2X246	E136	SBACP	TRANSFMR, INSTRU AC	FED PAC ELEC	"FH",DRY,CLASS AA	E-2,D	B-17	R1K, 33,719'
2Y216	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1M, 32
2Y218	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 34
2Y226	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1M, 33
2Y236	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 34
2Y246	E118	SBACP	DIST, PNL, 208/120V	CUTLER-HAMMER	UNITROL	E-2	B-4	R1K, 33

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
NONE (UNIT 1)	B11-D193	NM	POWER RANGE DET	GENERAL ELECTRIC	NA 200 (43 ITEMS)	E-2*	N-37	26-4/C2C, DRYWEL
NONE (UNIT 2)	B11-D193	NM	POWER RANGE DET	GENERAL ELECTRIC	NA 200 (43 ITEMS)	E-2*	N-37	31-4/C2C, DRYWEL
SV-14113A	B21-F013A	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113A	B21-F013A	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113A	B21-F013A	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113B	B21-F013B	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113B	B21-F013B	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113B	B21-F013B	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113C	B21-F013C	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113C	B21-F013C	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113C	B21-F013C	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113D	B21-F013D	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113D	B21-F013D	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113D	B21-F013D	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113E	B21-F013E	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113E	B21-F013E	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113E	B21-F013E	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113F	B21-F013F	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113F	B21-F013F	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113F	B21-F013F	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113G	B21-F013G	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113G	B21-F013G	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113G	B21-F013G	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113H	B21-F013H	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113H	B21-F013H	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113H	B21-F013H	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113J	B21-F013J	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113J	B21-F013J	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113J	B21-F013J	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113K	B21-F013K	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113K	B21-F013K	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113K	B21-F013K	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113L	B21-F013L	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113L	B21-F013L	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113L	B21-F013L	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113M	B21-F013M	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113M	B21-F013M	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113M	B21-F013M	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113N	B21-F013N	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113N	B21-F013N	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113N	B21-F013N	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113P	B21-F013P	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113P	B21-F013P	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113P	B21-F013P	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113R	B21-F013R	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113R	B21-F013R	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113R	B21-F013R	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113S	B21-F013S	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113S	B21-F013S	MS	MS RELIEF VALVE	CROSBY	6R10HB-65-BP	D	M	739
SV-24113S	B21-F013S	NBS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
HV-1F022A	B21-F022A	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F022A	B21-F022A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
HV-2F022A	B21-F022A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-14122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
ZS-14122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
ZS-24122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
ZS-24122A	B21-F022A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D
HV-1F022B	B21-F022B	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F022B	B21-F022B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
HV-2F022B	B21-F022B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-14122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
ZS-14122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1	N-68A	26-4/C2D
ZS-24122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D
ZS-24122B	B21-F022B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
HV-1F022C	B21-F022C	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F022C	B21-F022C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
HV-2F022C	B21-F022C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-14122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
ZS-14122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
ZS-24122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
ZS-24122C	B21-F022C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/C2D
HV-1F022D	B21-F022D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	26-4/C2D
HV-1F022D	B21-F022D	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-2F022D	B21-F022D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	31-4/C2D
ZS-14122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	26-4/C2D
ZS-14122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	26-4/C2D
ZS-24122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	31-4/CD2
ZS-24122D	B21-F022D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	31-4/C2D
HV-1F028A	B21-F028A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	25-4/R3
HV-1F028A	B21-F028A	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-2F028A	B21-F028A	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	30-4/R3
ZS-14128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-14128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
ZS-24128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	30-4/R3
ZS-24128A	B21-F028A	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	30-4/R3
HV-1F028B	B21-F028B	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028B	B21-F028B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	25-4/R3
HV-2F028B	B21-F028B	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	30-4/R3
ZS-14128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-14128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1	N-68A	25-4/R3
ZS-24128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	30-4/R3
ZS-24128B	B21-F028B	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	30-4/R3
HV-1F028C	B21-F028C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	27-4/R3
HV-1F028C	B21-F028C	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-2F028C	B21-F028C	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	32-4/R3
ZS-14128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
ZS-14128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-24128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	32-4/R3
ZS-24128C	B21-F028C	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	32-4/R3
HV-1F028D	B21-F028D	MS	ACUTATOR,MSIV	ATWOOD & MORRILL	21283-H	D	M	745
HV-1F028D	B21-F028D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	27-4/R3
HV-2F028D	B21-F028D	NBS	ACTUATOR MFLD,MSIV	AVCO	C5140	E-1*	N-78	32-4/R3
ZS-14128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	25-4/R3
ZS-14128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	25-4/R3
ZS-24128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-740-50-100	E-1	N-68B	32-4/R3
ZS-24128D	B21-F028D	NBS	SWITCH, LIMIT	NAMCO	EA-700-50-100	E-1*	N-68A	32-4/R3
FE-1N051	B21-N051	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N052	B21-N052	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N053	B21-N053	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
FE-1N054	B21-N054	MSP	MS FLOW ELEMENT	GE	105D5085	D	M	739
TE-1N004A	B21-N004A	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004B	B21-N004B	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004C	B21-N004C	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004D	B21-N004D	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004E	B21-N004E	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004F	B21-N004F	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004G	B21-N004G	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004H	B21-N004H	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004J	B21-N004J	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004K	B21-N004K	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004L	B21-N004L	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004M	B21-N004M	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004N	B21-N004N	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004P	B21-N004P	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004R	B21-N004R	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
TE-1N004S	B21-N004S	NBS	TEMPERATURE ELEMENT	GENERAL ELECTRIC	133D9679	D	C	RX,739'
FIS-1N006A	B21-N006A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N006A	B21-N006A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FIS-1N006B	B21-N006B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N006B	B21-N006B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N006C	B21-N006C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N006C	B21-N006C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N006D	B21-N006D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N006D	B21-N006D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N007A	B21-N007A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N007A	B21-N007A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N007B	B21-N007B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N007B	B21-N007B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N007C	B21-N007C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N007C	B21-N007C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N007D	B21-N007D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N007D	B21-N007D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N008A	B21-N008A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N008A	B21-N008A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N008B	B21-N008B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
FIS-2N008B	B21-N008B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
FIS-1N008C	B21-N008C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N008C	B21-N008C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N008D	B21-N008D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N008D	B21-N008D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N009A	B21-N009A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-4/R1K/719
FIS-2N009A	B21-N009A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	32-4/R1K
FIS-1N009B	B21-N009B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-4/R1K/719
FIS-2N009B	B21-N009B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	32-4/R1K
FIS-1N009C	B21-N009C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
FIS-2N009C	B21-N009C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
FIS-1N009D	B21-N009D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719PF
FIS-2N009D	B21-N009D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
TE-1N010A	B21-N010A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010A	B21-N010A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N010B	B21-N010B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010B	B21-N010B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N010C	B21-N010C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010C	B21-N010C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	30-8/R3/744
TE-1N010D	B21-N010D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-4/R3/749
TE-2N010D	B21-N010D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N014A	B21-N014A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-5/R3/749
TE-2N014A	B21-N014A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-8/R3
TE-1N014B	B21-N014B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-5/R3/749
TE-2N014B	B21-N014B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-8/R3
TE-1N014C	B21-N014C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-5/R3/749
TE-2N014C	B21-N014C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-5/R3
TE-1N014D	B21-N014D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-5/R3/749COL
TE-2N014D	B21-N014D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-5/R3
PSL-1N015A	B21-N015A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015A	B21-N015A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015B	B21-N015B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015B	B21-N015B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015C	B21-N015C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015C	B21-N015C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
PSL-1N015D	B21-N015D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	T-10-3/T3/704
PSL-2N015D	B21-N015D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	T-23-3/T3
TE-1N016A	B21-N016A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016A	B21-N016A	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-5/R3
TE-1N016B	B21-N016B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/803
TE-2N016B	B21-N016B	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-5/R3
TE-1N016C	B21-N016C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016C	B21-N016C	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N016D	B21-N016D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	25-8/R3/804
TE-2N016D	B21-N016D	NBS	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
PS-1N020A	B21-N020A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N020A	B21-N020A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PS-1N020B	B21-N020B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N020B	B21-N020B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N020C	B21-N020C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N020C	B21-N020C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N020D	B21-N020D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N020D	B21-N020D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N021A	B21-N021A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M
PS-2N021A	B21-N021A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PIS-1N021B	B21-N021B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
PIS-2N021B	B21-N021B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
PS-1N021C	B21-N021C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-4/R1M/719
PS-2N021C	B21-N021C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	34-4/R1M
PIS-1N021D	B21-N021D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-4/R1K/719
PIS-2N021D	B21-N021D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-4/R1K
PS-1N021E	B21-N021E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M
PS-2N021E	B21-N021E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N021G	B21-N021G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-4/R1M/719
PS-2N021G	B21-N021G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	34-4/R1M
PS-1N022A	B21-N022A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022A	B21-N022A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022B	B21-N022B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022B	B21-N022B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022C	B21-N022C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022C	B21-N022C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022D	B21-N022D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022D	B21-N022D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022E	B21-N022E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022E	B21-N022E	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022F	B21-N022F	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022F	B21-N022F	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022G	B21-N022G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022G	B21-N022G	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022H	B21-N022H	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022H	B21-N022H	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022J	B21-N022J	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022J	B21-N022J	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022K	B21-N022K	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022K	B21-N022K	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-2N022L	B21-N022L	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022M	B21-N022M	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022M	B21-N022M	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022N	B21-N022N	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022N	B21-N022N	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022P	B21-N022P	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022P	B21-N022P	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022R	B21-N022R	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022R	B21-N022R	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2	N-54	33-5/R1M
PS-1N022S	B21-N022S	NBS	SWITCH, PRESS.	BARKSDALE	B1T-C12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N022S	B21-N022S	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N023A	B21-N023A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N023A	B21-N023A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N023B	B21-N023B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N023B	B21-N023B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N023C	B21-N023C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N023C	B21-N023C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N023D	B21-N023D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N023D	B21-N023D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
LIS-1N024A	B21-N024A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N024A	B21-N024A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N024B	B21-N024B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N024B	B21-N024B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
FIS-1N024C	B21-N024C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
FIS-2N024C	B21-N024C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
FIS-1N024D	B21-N024D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FIS-2N024D	B21-N024D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
LIS-1N025C	B21-N025C	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	RB,749
LIS-1N025C	B21-N025D	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	RB,749
LITS-1N026A	B21-N026A	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-5/R1M/749
LITS-2N026A	B21-N026A	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	33-5/R1M
LITS-1N026B	B21-N026B	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-5/R1M/749
LITS-2N026B	B21-N026B	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	33-5/R1M
LITS-1N026C	B21-N026C	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	27-5/R1M/749
LITS-2N026C	B21-N026C	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-5/R1M
LITS-1N026D	B21-N026D	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	27-5/R1M/749
LITS-2N026D	B21-N026D	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-5/R1M
LT-1N027	B21-N027	NBS	XMITTER DIFF PRESS	RILEY	86	D	C	RB,749
LIS-1N031A	B21-N031A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N031A	B21-N031A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N031B	B21-N031B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-2N031B	B21-N031B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
LIS-1N031C	B21-N031C	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N031C	B21-N031C	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N031D	B21-N031D	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-2N031D	B21-N031D	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
PDT-1N032	B21-N032	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N033A	B21-N033A	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N033B	B21-N033B	NBS	XMITTER, FLOW	ROSEMOUNT	1151	D	C	RB,719
FT-1N033C	B21-N033C	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N033D	B21-N033D	NBS	XMITTER, FLOW	ROSEMOUNT	1151	D	C	RB,719
FT-1N034A	B21-N034A	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034B	B21-N034B	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034C	B21-N034C	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034D	B21-N034D	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034E	B21-N034E	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034F	B21-N034F	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034G	B21-N034G	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034H	B21-N034H	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034J	B21-N034J	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034K	B21-N034K	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034L	B21-N034L	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034M	B21-N034M	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034N	B21-N034N	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034P	B21-N034P	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034R	B21-N034R	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034S	B21-N034S	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034T	B21-N034T	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034V	B21-N034V	NBS	FLOW XMITTER	ROSEMOUNT	1151	D	C	RB,719
FT-1N034V	B21-N034V	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
FT-1N034W	B21-N034W	NBS	XMITTER, DIFF PRESS	ROSEMOUNT	1151	D	C	RB,719
LITS-1N037A	B21-N037A	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	29-4/R1K/719
LITS-2N037A	B21-N037A	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	34-4/R1K
LITS-1N037B	B21-N037B	NBS	SWITCH, LIT	BARTON	760	E-2,D	N-25,C	25-4/R1K/719
LITS-2N037B	B21-N037B	NBS	SWITCH, LIT	BARTON	760	E-2	N-25	30-4/R1K
LIS-1N042A	B21-N042A	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-5/R1M/749
LIS-2N042A	B21-N042A	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-5/R1M
LIS-1N042B	B21-N042B	NBS	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	27-5/R1M/749
LIS-2N042B	B21-N042B	NBS	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-5/R1M
PS-1N045A	B21-N045A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N045A	B21-N045A	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N045B	B21-N045B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	29-5/R1M/749
PS-2N045B	B21-N045B	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-5/R1M
PS-1N045C	B21-N045C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N045C	B21-N045C	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PS-1N045D	B21-N045D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-5/R1M/749
PS-2N045D	B21-N045D	NBS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	30-5/R1M
PT-1N055A	B21-N055A	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-5/R1M/749
PT-2N055A	B21-N055A	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-5/R1M
PT-1N055B	B21-N055B	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-5/R1M/749

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PT-2N055B	B21-N055B	NBS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PSH-1N056A	B21-N056A	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056B	B21-N056B	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056C	B21-N056C	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PSH-1N056D	B21-N056D	NBS	PRESSURE SWITCH	BARKSDALE	D2T-M355	D	C	RX.753'
PI-1R001	B21-R001	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	749
PI-1R004A	B21-R004A	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	749
LIS-1N025A	B21-R025A	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	749
LIS-1N025B	B21-R025B	NBS	LEV INDICATOR SWTCH	YARWAY	4418C	D	C	749
PI-1R004B	B21-R004B	NBS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,749
PDI-1R005	B21-R005	NBS	INDICATOR DIFF PRESS	BARTON	288	D	C	RB,719
SV-14113G1	B21C-F013G1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113G2	B21C-F013G2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113G1	B21C-F013G1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113G2	B21C-F013G2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113J1	B21C-F013J1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113J2	B21C-F013J2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113J1	B21C-F013J1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113J2	B21C-F013J2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113K1	B21C-F013K1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113K2	B21C-F013K2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113K1	B21C-F013K1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113K2	B21C-F013K2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113L1	B21C-F013L1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113L2	B21C-F013L2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113L1	B21C-F013L1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113L2	B21C-F013L2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113M1	B21C-F013M1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113M2	B21C-F013M2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113M1	B21C-F013M1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113M2	B21C-F013M2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-14113N1	B21C-F013N1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-14113N2	B21C-F013N2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	26-4/C2D
SV-24113N1	B21C-F013N1	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
SV-24113N2	B21C-F013N2	ADS	ACTUATORS, SRV	CROSBY	PILOT VALVE-NO.-IMF-2	E-1	N-69	31-4/C2D
1P401A	B31-C001A	RR	RECIRC PUMP & MOTOR	BYRON JACKSON	DVSS	D	M	708
1P401B	B31-C001B	RR	RECIRC PUMP & MOTOR	BYRON JACKSON	DVSS	D	M	708
HV-1F023A	B31-F023A	RR	RECIRC SUCTION VALVE	LUKENHEIMER	D-13017	D	M	708
HV-1F023A	B31-F023A	RR	RECIRC SUCT.ACTUATOR	LIMITORQUE	SMB-00-25	D	M	708
HV-1F023B	B31-F023B	RR	RECIRC SUCTION VALVE	LUKENHEIMER	D-13017	D	M	708
HV-1F023B	B31-F023B	RR	RECIRC SUCT.ACTUATOR	LIMITORQUE	SMB-00-25	D	M	708
HV-1F031A	B31-F031A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SB-3-100	E-2,D	N-79,M	26-4/C2D/720
HV-2F031A	B31-F031A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-3-100	E-2	N-79	31-4/C2D
HV-1F031B	B31-F031B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SB-3-100	E-2,D	N-79,M	26-4/C2D/720
HV-2F031B	B31-F031B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-3-100	E-2	N-79	31-4/C2D
HV-1F032A	B31-F032A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2,D	N-79,M	26-4/C2D/720
HV-2F032A	B31-F032A	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2	N-79	31-4/C2D
HV-1F032B	B31-F032B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2,D	N-79,M	26-4/C2D/720
HV-2F032B	B31-F032B	RR	ACTUATOR, M.O.V.	LIMITORQUE	SMB-00-25	E-2	N-79	31-4/C2D
FT-1N014A	B31-N014A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/683
FT-2N014A	B31-N014A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M
FT-1N014B	B31-N014B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/683
FT-2N014B	B31-N014B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M
FT-1N014C	B31-N014C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-3/R1M/687
FT-2N014C	B31-N014C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-3/R1M
FT-1N014D	B31-N014D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-3/R1M/687
FT-2N014D	B31-N014D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-3/R1M
PS-1N018A	B31-N018A	RR	SWITCH, PRESS.	BARTON	288	E-2,D	N-26,C	27-3/R1M/749
PS-2N018A	B31-N018A	RR	SWITCH, PRESS.	BARTON	288	E-2	N-26	32-3/R1M
PS-1N018B	B31-N018B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N018B	B31-N018B	RHR	SWITCH, PRESS.	SOR	5N-AA2,6N-AA2,6N-AA21	E-2	N-10	33-3/R1M
HV-1F023A	B31-N023A	RR	TEMPERATURE ELEMENT	GENERAL ELECTRIC	159C4520	D	C	RX,704'
HV-1F023B	B31-N023B	RR	TEMPERATURE ELEMENT	GENERAL ELECTRIC	159C4520	D	C	RX,704'
FT-1N024A	B31-N024A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/687

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
FT-2N024A	B31-N024A	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N024B	B31-N024B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-1/R1M/687
FT-2N024B	B31-N024B	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N024C	B31-N024C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
FT-2N024C	B31-N024C	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
FT-1N024D	B31-N024D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
FT-2N024D	B31-N024D	RR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
SV-14724B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14725D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14726C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14727D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14728B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14729C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14731B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14731D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14732D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14733D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14734D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14735D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14736D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14737D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14738D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14739D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14741A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14741C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14742D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14743D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14744D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14745D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14746D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14747A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14747B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14747C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14748D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14751B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14751D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14752D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14753D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14754D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14755D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14756D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14757D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14758D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14759A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14759C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14761A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14761C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14762D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14763D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14764D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14765D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14766D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14767D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14768D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14771B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14771D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14772A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14772D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14773D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14774D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14775D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14776D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14777D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14778B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14778C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14779C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14781A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14781C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14782D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14783D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14784D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14785D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14786C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14787D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14788B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14788D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14789A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14791B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14792D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14793C6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14794A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14795D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14796A6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14797D6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719
SV-14798B6	C12-D001	CRD	HCU	GE	PPD761E500G4	D	M	719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC	PAGE	10
SV-14724B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14725D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14726C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14727D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14728B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14729C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14731B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14731D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14732A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14732B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14732C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14732D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14733A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14733B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14733C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14733D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14734A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14734B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14734C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14734D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14735A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14735B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14735C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14735D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14736A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14736C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14736D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14737B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14737C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14737D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14738A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14738B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14738D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14739A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14739C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14739D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14741A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14741C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14742A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14742B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14742C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14742D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14743A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14743B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14743C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14743D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14744A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14744B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14744C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14744D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14745A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14745B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14745C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14745D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14746A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14746C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14746D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14747A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14747B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14747C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14748D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14751B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14751D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		
SV-14752A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719		

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14752B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14752D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14753D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14754D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14755D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14756D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14757D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14758D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14759A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14759C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14761A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14761C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14762D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14763D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14764D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14765D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14766D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14767D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14768D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14771B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14771D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14772D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14773C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-14773D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14774D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14775D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14776D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14777D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14778B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14778C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14779C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14781A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14781C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14782D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14784D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14785D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14786C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14787D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14788B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14788D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14789A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14791B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14792D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14793C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14794A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14795D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14796A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14797D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-14798B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2,D	N-81,M	R1K/719
SV-24722C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24723A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24724B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24725D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24726C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24727D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24728B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24729C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24731B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24731D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24732A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24732B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24732C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24732D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24733D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816	E-2	N-81	R1K/719
SV-24734B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24734D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24735D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24736D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24737D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24738D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24739D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24741A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24741C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24742D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24743D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24744D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24745D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24746D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24747C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24748D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24751B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24751D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24752D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24753C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24753D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24754D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24755D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24756D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24757D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24758D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24759A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24759C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24761A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24761C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24762D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24763D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24764D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24765D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24766D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24767D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24768D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24771B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24771D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24772D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24773D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24774D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
SV-24775A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24775D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24776A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24776B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24776C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24777D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24778B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24778C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24779C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24781A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24781C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24782D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24783D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24784D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24785D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24786C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24787D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24788B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24788D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24789A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24791B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24792D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24793C6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24794A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24795D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24796A6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24797D6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-24798B6	C12-D001-EP139	CRD	SV, HCU SCRAM PILOT	ASCO	HVA-176-816-1	E-2	N-81	R1K/719
SV-1F009A	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	28-4/R1K/719
SV-1F009B	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	28-4/R1K/719
SV-2F009A	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	33-4/R1K/719
SV-2F009B	C12-F009	CRD	SCRAM VALVE	ASCO	HT8323A22	E-2,D	N-82,C	33-4/R1K/719
HV-1F010A	C12-F010A	CRD	CRD VENT VALVE	HAMAL DAHL	502FFC62CA79	D*	M	719
HV-1F010B	C12-F010B	CRD	CRD VENT VALVE	HAMAL DAHL	502FFC62CA79	D*	M	719
HV-1F011A	C12-F011A	CRD	CRD DRAIN VALVE	HAMAL DAHL	502JFC62EA79	D*	M	719
HV-1F011B	C12-F011B	CRD	CRD DRAIN VALVE	HAMAL DAHL	502JFC62EA79	D*	M	719
SV-110A	C12-F110A	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	33-4/R1K
SV-110A	C12-F110A	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	28-4/R1K
SV-110B	C12-F110B	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	28-4/R1K
SV-110B	C12-F110B	CRD	SCRAM VALVE	ASCO	HT 8316C37	E-2	N-83	33-4/R1K
LSH-1N013A	C12-N013A	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013A	C12-N013A	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
LSH-1N013B	C12-N013B	CRD	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
LSH-2N013B	C12-N013B	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013C	C12-N013C	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013C	C12-N013C	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013D	C12-N013D	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013D	C12-N013D	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-4/R1K
LSH-1N013E	C12-N013E	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013E	C12-N013E	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-4/R1K
LSH-1N013F	C12-N013F	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-4/R1K/719
LSH-2N013F	C12-N013F	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-4/R1K
LSH-1N013G	C12-N013G	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	28-4/R1K
LSH-2N013G	C12-N013G	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
LSH-1N013H	C12-N013H	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	29-4/R1K
LSH-2N013H	C12-N013H	CRD	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-4/R1K
PDT-1N004A	C32-N004A	NBS	DIFF PRES XMITTER	ROSEMOUNT	1151	D	C	749
PDT-1N004B	C32-N004B	NBS	XMITTER DIFF PRESS	ROSEMOUNT	1151	D	C	RB,749
PDT-1N004C	C32-N004C	NBS	DIFF PRES XMITTER	ROSEMOUNT	1151	D	C	749
PT-1N005	C32-N005	NBS	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	749
1T204	C41-A001	SBLC	SBLC STORAGE TANK	ALPHA TANK	3243-26-1	D	M	749
1T207A	C41-A003	SBLC	SBLC ACCUMULATOR	GREER HYD.	A70555-200	D	M	749
1T207B	C41-A003	SBLC	SBLC ACCUMULATOR	GREER HYD.	A70555-200	D	M	749
1P208A	C41-C001	SBLC	SBLC PUMP ASSEMBLY	UNION PUMP	TD-60	D	M	749
1P208B	C41-C001	SBLC	SBLC PUMP ASSEMBLY	UNION PUMP	TD-60	D	M	749
1F004A	C41-F004A	SBLC	SBLC EXPLOSIVEVALVE	CONAX	1832-162-01	D	M	779
1F004B	C41-F004B	SBLC	SBLC EXPLOSIVEVALVE	CONAX	1832-162-01	D	M	779
TSHL-1N003	C41-N003	SBLC	TEMPERATURE ELEMENT	WEED	157C4629	D	C	RX,750'
PI-1R003	C41-R003	SBLC	PRESSURE GAUGE	ROBERT SHAW	613B	D	C	RX,753'
PT-1N004	C42-N004	SBLC	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,753'
PSH-1N002A	C72-N002A	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PSH-2N002A	C72-N002A	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PSH-1N002B	C72-N002B	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PSH-2N002B	C72-N002B	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PSH-1N002C	C72-N002C	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PSH-2N002C	C72-N002C	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PSH-1N002D	C72-N002D	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PSH-2N002D	C72-N002D	RPS	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PSH-1N003A	C72-N003A	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	5-3/T2A/704
PSH-2N003A	C72-N003A	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	20-3/T2A
PSH-1N003B	C72-N003B	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	1-3/T1A/704
PSH-2N003B	C72-N003B	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	16-3/T1A
PSH-1N003C	C72-N003C	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	5-3/T2A/704
PSH-2N003C	C72-N003C	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	20-3/T2A
PSH-1N003D	C72-N003D	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	2-3/T2A/704
PSH-2N003D	C72-N003D	RPS	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	15-3/T2A
PSL-1N005A	C72-N005A	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005B	C72-N005B	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005C	C72-N005C	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
PSL-1N005D	C72-N005D	RPS	PRESSURE SWITCH	BARKSDALE	TC9622-3	D	C	RX,705'
RE-1N006A	D12-N006A	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006A	D12-N006A	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006B	D12-N006B	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006B	D12-N006B	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006C	D12-N006C	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006C	D12-N006C	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N006D	D12-N006D	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	27-4/R3
RE-2N006D	D12-N006D	PR	IONIZATION CHAMBER	GENERAL ELECTRIC	NA05	E-2	N-61	32-4/R3
RE-1N010A	D12-N010A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	25-8/R5
RE-2N010A	D12-N010A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	32-8/R5
RE-1N010B	D12-N010B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	25-8/R5
RE-2N010B	D12-N010B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	32-8/R5
RE-1N015A	D12-N015A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	33-7/R5
RE-2N015A	D12-N015A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-7/R5
RE-1N015B	D12-N015B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	29-7/R5
RE-2N015B	D12-N015B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	33-7/R5
RE-1N016A	D12-N016A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-4/R1M

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
RE-2N016A	D12-N016A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	34-4/R1M
RE-1N016B	D12-N016B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	29-4/R1M
RE-2N016B	D12-N016B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2	N-59,B	34-4/R1M
RE-0N017A	D12-N017A	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	21-7/CS8
RE-0N017B	D12-N017B	PR	SENSOR & CONVERTER	GENERAL ELECTRIC	194X927G11	E-2*	N-59,A	21-7/CS8
1E205A	E11-B001	RHR	RHR HEAT EXCHANGER	MLW INDUSTRIES	63-259	D	M	646'11
1E205B	E11-B001	RHR	RHR HEAT EXCHANGER	MLW INDUSTRIES	63-259	D	M	678'10
1P202A	E11-C002A	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	29-1/R1G,649
2P202A	E11-C002A	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	33-1/R1G,649
1P202B	E11-C002B	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	28-1/R1G,649
2P202B	E11-C002B	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	34-1/R1G,649
1P202C	E11-C002C	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	29-1/R1G,649
2P202C	E11-C002C	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2	N-71,C	33-1/R1G,649
1P202D	E11-C002D	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,M	28-1/R1G,649
2P202D	E11-C002D	RHR	MOTOR, RHR PUMP	GENERAL ELECTRIC	5K6356XC10A	E-2,D	N-71,C	34-1/R1G,649
FT-1N003A	E11-N003A	CS	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
FT-1N003B	E11-N003B	CS	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
FT-1N007A	E11-N007A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-1/R1M/645
FT-2N007A	E11-N007A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-1/R1M
FT-1N007B	E11-N007B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/645
FT-2N007B	E11-N007B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
LT-1N008A	E11-N008A	RHR	PRES.&DIFF.PRES.XMTR	ITT BARTON	269 & 368/352	D	C	R,645'
LT-1N008B	E11-N008B	RHR	PRES.&DIFF.PRES.XMTR	ITT BARTON	269 & 368/352	D	C	R,645'
TE-1N009A	E11-N009A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/678
TE-2N009A	E11-N009A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N009B	E11-N009B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/676
TE-2N009B	E11-N009B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N009C	E11-N009C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/676
TE-2N009C	E11-N009C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N009D	E11-N009D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/678
TE-2N009D	E11-N009D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
PS-1N010A	E11-N010A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N010A	E11-N010A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N010B	E11-N010B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N010B	E11-N010B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N010C	E11-N010C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N010C	E11-N010C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N010D	E11-N010D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N010D	E11-N010D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N011A	E11-N011A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N011A	E11-N011A	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N011B	E11-N011B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N011B	E11-N011B	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
PS-1N011C	E11-N011C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	28-6/R4/779
PS-2N011C	E11-N011C	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	33-6/R4
PS-1N011D	E11-N011D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2,D	N-11,C	27-6/R1F/779
PS-2N011D	E11-N011D	RHR	SWITCH, PRESS.	SOR	12N-AA4-X10TT	E-2	N-11	32-6/R1F
FE-1N012	E11-N012	RHR	RHR SYS FLW ORIFICE	DANIEL	6"300#ANS RF-WN	D	M	683
FT-1N013	E11-N013	RHR	DIFF. PRESS. XMTR	ROSEMOUNT	1151	D	C	RX,687'
PT-1N013	E11-N013	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	27-3/R1M
PT-2N013	E11-N013	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-3/R1M
FE-1N014A	E11-N014A	RHR	RHR SYS FLW ORIFICE	DANIEL	24"300#AND RF-WN	D	M	683
FE-1N014B	E11-N014A	RHR	RHR SYS FLW ORIFICE	DANIEL	24"300#AND RF-WN	D	M	683
FT-1N015A	E11-N015A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-3/R1M/687
FT-2N015A	E11-N015A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-3/R1M
FT-1N015B	E11-N015B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/688
FT-2N015B	E11-N015B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
PS-1N016A	E11-N016A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N016A	E11-N016A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-1N016B	E11-N016B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N016B	E11-N016B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PS-1N016C	E11-N016C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N016C	E11-N016C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-1N016D	E11-N016D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PS-2N016D	E11-N016D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PSH-1N018	E11-N018	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/688
PSH-2N018	E11-N018	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PDIS-1N019A	E11-N019A	RHR	SWITCH, PRESS.	BARTON	288A	E-2	N-26	27-3/R1M
PDIS-1N019A	E11-N019A	RHR	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	32-3/R1M/683
PDIS-1N019B	E11-N019B	RHR	SWITCH, PRESS.	BARTON	288A	E-2	N-26	28-3/R1M
PDIS-1N019B	E11-N019B	RHR	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	33-3/R1M/683
PS-1N020A	E11-N020A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N020A	E11-N020A	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-1N020B	E11-N020B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N020B	E11-N020B	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
PS-1N020C	E11-N020C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-1/R1M/645
PS-2N020C	E11-N020C	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-1/R1M
PS-1N020D	E11-N020D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-3/R1M/683
PS-2N020D	E11-N020D	RHR	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-3/R1M
FS-1N021A	E11-N021A	RHR	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	27-3/R1M/687
FS-2N021A	E11-N021A	RHR	SWITCH, PRESS.	BARTON	289A	E-2	N-26	34-3/R1M/687
FS-1N021B	E11-N021B	RHR	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	28-3/R1M/686
FS-2N021B	E11-N021B	RHR	SWITCH, PRESS.	BARTON	289A	E-2	N-26	33-3/R1M/686
PSH-1N022A	E11-N022A	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,C	27-3/R1C/687
PSH-2N022A	E11-N022A	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	32-3/R1C
PSH-1N022B	E11-N022B	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2,D	N-54,D	27-3/R1C/686
PSH-2N022B	E11-N022B	RHR	SWITCH, PRESS.	BARKSDALE	B1T-M12SS-GE	E-2	N-54	33-3/R1C
LSH-1N023A	E11-N023A	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	29-2/R1G/670
LSH-2N023A	E11-N023A	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-2/R1G
LSH-1N023B	E11-N023B	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	28-2/R1G/670
LSH-2N023B	E11-N023B	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	33-2/R1G
LSH-1N024	E11-N024	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2,D	N-24,C	29-2/R1G/670
LSH-2N024	E11-N024	RHR	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	34-2/R1G
PT-1N026A	E11-N026A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-1/R1M/645
PT-2N026A	E11-N026A	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-1/R1M
PT-1N026B	E11-N026B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
PT-2N026B	E11-N026B	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
PT-1N028	E11-N028	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-3/R1M/683
PT-2N028	E11-N028	RHR	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-3/R1M
TE-1N029A	E11-N029A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G671
TE-2N029A	E11-N029A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N029B	E11-N029B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/671
TE-2N029B	E11-N029B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N029C	E11-N029C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G671
TE-2N029C	E11-N029C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N029D	E11-N029D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/671
TE-2N029D	E11-N029D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N030A	E11-N030A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/676
TE-2N030A	E11-N030A	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N030B	E11-N030B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/673
TE-2N030B	E11-N030B	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
TE-1N030C	E11-N030C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	29-2/R1G/677
TE-2N030C	E11-N030C	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-2/R1G
TE-1N030D	E11-N030D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1G/673
TE-2N030D	E11-N030D	RHR	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1G
FS-1N033A	E11-N033A	RHR	FLOW SWITCH	FISHER & POTTER	613B	D	C	670
FS-1N033B	E11-N033B	RHR	FLOW SWITCH	FISHER & POTTER	613B	D	C	670
PI-1R002A	E11-R002A	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002C	E11-R002C	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002B	E11-R002D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R002D	E11-R002D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003A	E11-R003A	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003B	E11-R003B	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003B	E11-R003B	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003C	E11-R003C	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R003D	E11-R003D	RHR	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1P206A	E21-C001A	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	27-1/R1A,649
2P206A	E21-C001A	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	32-1/R1A

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
1P206B	E21-C001B	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	25-1/R1A,649
2P206B	E21-C001B	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	30-1/R1A
1P206C	E21-C001C	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	27-1/R1A,649
2P206C	E21-C001C	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	32-1/R1A
1P206D	E21-C001D	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2,D	N-76,C	25-1/R1A,649
2P206D	E21-C001D	CS	MOTOR, CS PUMP	GENERAL ELECTRIC	5K6338XC76A	E-2	N-76	30-1/R1A
PT-1N001A	E21-N001A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*,D	N-48B,C	27-1/R1A/645
PT-2N001A	E21-N001A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*	N-48B	32-1/R1A/645
PT-1N001B	E21-N001B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*,D	N-48B,C	25-1/R1A/645
PT-2N001B	E21-N001B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2*	N-48B	30-1/R1A
FE-1N002A	E21-N002A	CS	CS FLW ORIFICE	DANIEL	14"300#ANS RF-WN	D	M	683
FE-1N002B	E21-N002B	CS	CS FLW ORIFICE	DANIEL	14"300#ANS RF-WN	D	M	683
FT-1N003A	E21-N003A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2,D	N-48A,C	27-3/R1M/683
FT-2N003A	E21-N003A	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2	N-48A	32-3/R1M
FT-1N003B	E21-N003B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2,D	N-48A,C	25-3/R1M/683
FT-2N003B	E21-N003B	CS	XMITTER,DP/P/FLOW	ROSEMOUNT	1152	E-2	N-48A	30-3/R1M
FIS-1N006A	E21-N006A	CS	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	27-3/R1M/683
FIS-2N006A	E21-N006A	CS	SWITCH, PRESS.	BARTON	289	E-2	N-26	32-3/R1M
FIS-1N006B	E21-N006B	CS	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	25-3/R1M
FIS-2N006B	E21-N006B	CS	SWITCH, PRESS.	BARTON	289	E-2	N-26	30-3/R1M/683
PSH-1N007A	E21-N007A	CS	PRESSURE SWITCH	BARKSDALE	B2T-A1255	D	C	RX,739'
PSH-1N007B	E21-N007B	CS	PRESSURE SWITCH	BARKSDALE	B2T-A1255	D	C	RX,739'
PS-1N008A	E21-N008A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PS-2N008A	E21-N008A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	28-2/R1M
PS-1N008B	E21-N008B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PS-2N008B	E21-N008B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	32-1/R1A
PS-1N009A	E21-N009A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-1/R1A/645
PS-2N009A	E21-N009A	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
PS-1N009B	E21-N009B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	27-1/R1A/645
PS-2N009B	E21-N009B	CS	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	32-1/R1A
PI-1R001A	E21-R001A	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,645
PI-1R001C	E21-R001C	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	RB,645
PI-1R001B	E21-R001B	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R001D	E21-R001D	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1E203A	E32-B001A	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203A	E32-B001A	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203B	E32-B001B	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203B	E32-B001B	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203C	E32-B001C	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203C	E32-B001C	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1E203D	E32-B001D	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2,D	N-72,C	27-4/R1K,731
2E203D	E32-B001D	MSIV LC	HEATER	GE DWG.	47D518673/47C518675G1	E-2	N-72	32-4/R1K
1K208	E32-C001	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	27-4/R1K,719
2K208	E32-C001	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	32-4/R1K
1K209A	E32-C002A	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	25-4/R1K,733
2K209A	E32-C002A	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	30-4/R1K
1K209B	E32-C002B	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2,D	N-73,C	25-4/R1K,733
2K209B	E32-C002B	MSIV LC	MSIV-LCS BLOWER	G.E./SIEMENS	2CH6 MODIFIED	E-2	N-73	30-4/R1K
FE-1N006B	E32-N006B	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006B	E32-N006B	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006F	E32-N006F	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006F	E32-N006F	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006K	E32-N006K	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006K	E32-N006K	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
FE-1N006P	E32-N006P	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2,D	N-36,C	27-4/R1K/719
FE-2N006P	E32-N006P	MSIV LC	ELEMENT, FLOW	S&K/AMETEK	20-9651-8550	E-2	N-36	32-4/R1K
PT-1N050	E32-N050	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-5/R1M/749
PT-2N050	E32-N050	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PT-1N051B	E32-N051B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051B	E32-N051B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051F	E32-N051F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051F	E32-N051F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N051K	E32-N051K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051K	E32-N051K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PT-1N051P	E32-N051P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N051P	E32-N051P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
FT-1N053B	E32-N053B	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053B	E32-N053B	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053F	E32-N053F	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053F	E32-N053F	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053K	E32-N053K	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053K	E32-N053K	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
FT-1N053P	E32-N053P	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2,D	N-38,C	27-4/R1K/719
FT-2N053P	E32-N053P	MSIV LC	FLOW TRANSMITTER	S&K/AMETEK	91X-16	E-2	N-38	32-4/R1K
PT-1N054	E32-N054	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N054	E32-N054	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N055	E32-N055	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-4/R1K/719
PT-2N055	E32-N055	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N056	E32-N056	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-1/R1K/719
PT-2N056	E32-N056	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N058	E32-N058	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	29-5/R1M/749
PT-2N058	E32-N058	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	33-5/R1M
PT-1N059	E32-N059	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	25-4/R1K/719
PT-2N059	E32-N059	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-4/R1K
PT-1N060	E32-N060	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-5/R1K/749
PT-2N060	E32-N060	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	30-5/R1M
PT-1N061B	E32-N061B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061B	E32-N061B	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061F	E32-N061F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061F	E32-N061F	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061K	E32-N061K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061K	E32-N061K	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
PT-1N061P	E32-N061P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	27-4/R1K/719
PT-2N061P	E32-N061P	MSIV LC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	32-4/R1K
1P209	E41-C001	HPCI	HPCI PUMP	BYRON JACKSON	71150783	D*	M	645
1S211	E41-C002	HPCI	HPCI TURBINE	TERRY TURBINE		D*	M	645
TB-0077 (U1)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	28-1/R1B
TB-0078 (U1)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
TB-0194 (U2)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
TB-0195 (U2)	E41-C004	HPCI	CONTRLS,HPCI TURBINE	TERRY/WOODWARD	R8250-133	E-1*	N-80	33-1/R1B
PSL-1N001A	E41-N001A	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-1/R1H/683
PSL-2N001A	E41-N001A	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	33-3/R1M
PS-1N001B	E41-N001B	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-3/R1M/683
PS-2N001B	E41-N001B	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-3/R1M
PSL-1N001C	E41-N001C	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-3/R1M/683
PSL-2N001C	E41-N001C	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	33-3/R1M
PSL-1N001D	E41-N001D	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	28-3/R1M/683
PSL-2N001D	E41-N001D	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-3/R1M
LSLL-1N002	E41-N002	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D*	C	RX,670'
LSLL-1N003	E41-N003	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D*	C	RX,670'
PDIS-1N004	E41-N004	HPCI	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-3/R1M/645
PDIS-2N004	E41-N004	HPCI	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-3/R1M
PDIS-1N005	E41-N005	HPCI	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	25-3/R1M/683
PDIS-2N005	E41-N005	HPCI	SWITCH, PRESS.	BARTON	288A	E-2	N-26	30-3/R1M
FSHL-1N006	E41-N006	HPCI	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	25-1/R1A/645
FSHL-2N006	E41-N006	HPCI	SWITCH, PRESS.	BARTON	289A	E-2	N-26	30-1/R1A
FE-1N007	E41-N007	HPCI	HPCI FLW ORIFICE	DANIEL	14"600#ANS RF-WN	D	M	645
FT-1N008	E41-N008	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
FT-2N008	E41-N008	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
FT-1N009	E41-N009	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
FT-2N009	E41-N009	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
PSL-1N010	E41-N010	HPCI	SWITCH, PRESS.	SOR	6N-AA21	E-2,D	N-10,C	25-1/R1A/645
PSL-2N010	E41-N010	HPCI	SWITCH, PRESS.	SOR	5N-AA3,6N-AA2,6N-AA21	E-2	N-10	30-1/R1A
PSH-1N012A	E41-N012A	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	28-1/R1B/645
PSH-2N012A	E41-N012A	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	33-1/R1B
PSH-1N012B	E41-N012B	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	25-1/R1A/645
PSH-2N012B	E41-N012B	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	30-1/R1A
PSH-1N012C	E41-N012C	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	28-1/R1B/645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSH-2N012C	E41-N012C	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	33-1/R1B
PSH-1N012D	E41-N012D	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2,D	N-10,C	25-1/R1A/645
PSH-2N012D	E41-N012D	HPCI	SWITCH, PRESS.	SOR	6N-AA2	E-2	N-10	30-1/R1A
PT-1N013	E41-N013	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
PT-2N013	E41-N013	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
LSH-1N014	E41-N014	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D*	N-24	28-1/R1A,645
LSH-2N014	E41-N014	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M14HY	E-2	N-24	33-1/R1A
LSH-1N015A	E41-N015A	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D*	N-24,C	27-2/R1A/670
LSH-2N015A	E41-N015A	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2	N-24	32-2/R1A
LSH-1N015B	E41-N015B	HPCI	SWITCH, LEVEL	MAGNETROL	3.5-751-1X-MPG-M14HY	E-2,D*	N-24,C	27-2/R1A/670
LSH-2N015B	E41-N015B	HPCI	SWITCH, LEVEL	MAGNETROL	5.0-751-1X-MPG-M13HY	E-2	N-24	32-2/R1A
PT-1N016	E41-N016	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
PT-2N016	E41-N016	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
PSH-1N017A	E41-N017A	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	25-1/R1A/645
PSH-2N017A	E41-N017A	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	30-1/R1A
PSH-1N017B	E41-N017B	HPCI	SWITCH, PRESS.	SOR	6N-AA2,6N-AA21	E-2,D	N-10,C	25-1/R1A/645
PSH-2N017B	E41-N017B	HPCI	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	30-1/R1A
LSH-1N018	E41-N018	HPCI	LEVEL SWITCH	MAGNETROL	GE 159C4294	D	C	RX,645'
PT-1N019	E41-N019	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	25-1/R1A/645
PT-2N019	E41-N019	HPCI	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	30-1/R1A
TE-1N024A	E41-N024A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/664
TE-2N024A	E41-N024A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N024B	E41-N024B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/656
TE-2N024B	E41-N024B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
PS-1N027	E41-N027	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-31,C	25-1/R1A/645
PS-2N027	E41-N027	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
TE-1N028A	E41-N028A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/663
TE-2N028A	E41-N028A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N028B	E41-N028B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B/663
TE-2N028B	E41-N028B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N029A	E41-N029A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1B/677
TE-2N029A	E41-N029A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1B
TE-1N029B	E41-N029B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1B677
TE-2N029B	E41-N029B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1B
TE-1N030A	E41-N030A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B656
TE-2N030A	E41-N030A	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
TE-1N030B	E41-N030B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1B658
TE-2N030B	E41-N030B	HPCI	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1B
PSH-1N031	E41-N031	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	25-1/R1A/645
PSH-2N031	E41-N031	HPCI	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	30-1/R1A
PI-1R001	E41-R001	HPCI	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
TI-1R002	E41-R002	HPCI	TEMPERATURE INDICTR	GENERAL ELECTRIC	145C3103	D	C	RX,645'
PI-1R003	E41-R003	HPCI	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R004	E41-R004	CS	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
PI-1R005	E41-R005	HPCI	PRESSURE INDICATOR	ROBERTSHAW	613B	D	C	645
1P203	E51-C001	RCIC	RCIC PUMP	B. WILLIAMETTE	6X6X10-.5CP	D	M	645
1S212	E51-C002	RCIC	RCIC TURBINE	TERRY TURBINE	GS2N	D	M	645
FE-1N001	E51-N001	RCIC	RCIC FLW ORIFICE	DANIEL	6"600#ANS-RF-WN	D	M	645
FSHL-1N002	E51-N002	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-1/R1H/645
FSHL-2N002	E51-N002	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-1/R1H
FT-1N003	E51-N003	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
FT-2N003	E51-N003	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
FT-1N004	E51-N004	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
FT-2N004	E51-N004	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PT-1N005	E51-N005	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
PT-2N005	E51-N005	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PCL-2N006	E51-N006	RCIC	SWITCH, PRESS.	SOR	6N-AA21	E-2	N-10	33-1/R1H
PSL-1N006	E51-N006	RCIC	SWITCH, PRESS.	SOR	6N-AA21	E-2,D	N-10,C	28-1/R1H/645
PT-1N007	E51-N007	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48B,C	28-1/R1H/645
PT-2N007	E51-N007	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PT-1N008	E51-N008	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48BC	28-1/R1H/645
PT-2N008	E51-N008	RCIC	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48B	33-1/R1H
PSH-1N009A	E51-N009A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N009A	E51-N009A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PSH-1N009B	E51-N009B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N009B	E51-N009B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
LSH-1N010	E51-N010	RCIC	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2,D	N-24,C	28-1/R1H/645
LSH-2N010	E51-N010	RCIC	SWITCH, LEVEL	MAGNETROL	5.0-751-2X-MPG-M14HY	E-2	N-24	33-1/R1H
TE-1N011A	E51-N011A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/660
TE-2N011A	E51-N011A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N011B	E51-N011B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/662
TE-2N011B	E51-N011B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
PSH-1N012A	E51-N012A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N012A	E51-N012A	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N012B	E51-N012B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	25-3/R1M/670
PSH-2N012B	E51-N012B	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-2/R1M
PSH-1N012C	E51-N012C	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N012C	E51-N012C	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PSH-1N012D	E51-N012D	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-2/R1M/670
PSH-2N012D	E51-N012D	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-2/R1M
PDIS-1N017	E51-N017	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	29-4/R1K/719
PDIS-2N017	E51-N017	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	34-4/R1K
PDIS-1N018	E51-N018	RCIC	SWITCH, PRESS.	BARTON	288A	E-2,D	N-26,C	28-4/R1K/719
PDIS-2N018	E51-N018	RCIC	SWITCH, PRESS.	BARTON	288A	E-2	N-26	33-4/R1K
PSL-1N019A	E51-N019A	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-4/R1K/719
PSL-2N019A	E51-N019A	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-4/R1K
PSL-1N019B	E51-N019B	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-4/R1K/719
PSL-2N019B	E51-N019B	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-4/R1K
PSL-1N019C	E51-N019C	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	29-4/R1K/719
PSL-2N019C	E51-N019C	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	34-4/R1K
PSL-1N019D	E51-N019D	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2,D	N-10,C	28-4/R1K/719
PSL-2N019D	E51-N019D	RCIC	SWITCH, PRESS.	SOR	5N-AA3	E-2	N-10	33-4/R1K
PSH-1N020	E51-N020	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2,D	N-3,C	25-1/R1H/645
PSH-2N020	E51-N020	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M340SSV	E-2	N-31	30-1/R1A
TE-1N021A	E51-N021A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N021A	E51-N021A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-1N021B	E51-N021B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N021B	E51-N021B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-1N022A	E51-N022A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N022A	E51-N022A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H,
TE-1N022B	E51-N022B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1H/675
TE-2N022B	E51-N022B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1H
TE-1N023A	E51-N023A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/657
TE-2N023A	E51-N023A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N023B	E51-N023B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/647
TE-2N023B	E51-N023B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N025A	E51-N025A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-2/R1H/679
TE-2N025A	E51-N025A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-2/R1H
TE-1N025B	E51-N025B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/709
TE-2N025B	E51-N025B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N025C	E51-N025C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-1/R1H/665
TE-2N025C	E51-N025C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-1/R1H
TE-1N025D	E51-N025D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/710
TE-2N025D	E51-N025D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026A	E51-N026A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/708
TE-2N026A	E51-N026A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026B	E51-N026B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/706
TE-2N026B	E51-N026B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026C	E51-N026C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/708
TE-2N026C	E51-N026C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N026D	E51-N026D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/709
TE-2N026D	E51-N026D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N027A	E51-N027A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/713
TE-2N027A	E51-N027A	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
TE-1N027B	E51-N027B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	27-3/R1H/709
TE-2N027B	E51-N027B	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	32-3/R1H
TE-1N027C	E51-N027C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/712
TE-2N027C	E51-N027C	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
TE-1N027D	E51-N027D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-3/R1H/712
TE-2N027D	E51-N027D	RCIC	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	33-3/R1H
PSH-1N030	E51-N030	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2,D	N-31,C	28-1/R1H/645
PSH-2N030	E51-N030	RCIC	SWITCH, PRESS.	BARKSDALE	P1H-M85SSV	E-2	N-31	33-1/R1H
PI-1R001	E51-R001	RCIC	PRESSURE INDICATOR	ROSEMOUNT	1151	D	C	645
PI-1R002	E51-R002	RCIC	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	645
PI-1R003	E51-R003	RCIC	PRESSURE INDICATOR	ROSEMOUNT	1151	D	C	645
PI-1R004	E51-R004	RCIC	PRESSURE XMITTER	ROSEMOUNT	1151	D	C	645
TI-1N005	E51-R005	RCIC	TEMPERATURE INDICTR	GENERAL ELECTRIC	145C3103	D	M	RX,645'
NONE	F18-E001	RSE	FUEL PREP MACHINE	GE	PPD-28X759G1	D	M	818
NONE	F18-E001	RSE	FUEL PREP MACHINE	GE	PPD-28X759G2	D	M	818
OS215A	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS215B	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS215C	F18-E011	RSE	GEN. PUR. GRAPPLE'A'	GE	PPD-767E555	D	M	FB
OS223	F19-E008	RSE	DRYER & SLING	GE	PPD-767E438-P3	D	M	799
OS237	F20-E002	RSE	CONTROL ROD GRAPPLE	GE	PPD-767E593	D	M	818
	F21-E003	RSE	REFUELING PLATFORM	PRS	PPD-767E892	D	M	818
OS252A	F22-E006A	RSE	INVESSEL STG.RACK'A'			D	M	818
OS252B	F22-E006B	RSE	INVESSEL STG.RACK'B'			D	M	818
NONE	F22-E009	RSE	DFCT. FUEL STG. CON.	GE	PPD-117C2072G004	D	M	801'10"
NONE	F22-E012	RSE	NEW FUEL STG. RACK	GE	PPD-767E426	D	M	801'10"
FT-1N012	G33-N012	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-5/R1M/749
FT-2N012	G33-N012	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M/749
TE-1N016A	G33-N016A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ769
TE-2N016A	G33-N016A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N016B	G33-N016B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ753
TE-2N016B	G33-N016B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	30-8/R3
TE-1N016C	G33-N016C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1 D,E,J
TE-2N016C	G33-N016C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016D	G33-N016D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1 D,E,J
TE-2N016D	G33-N016D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016E	G33-N016E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ753
TE-2N016E	G33-N016E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N016F	G33-N016F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ756
TE-2N016F	G33-N016F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N022A	G33-N022A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEJ763
TE-2N022A	G33-N022A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N022B	G33-N022B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF763
TE-2N022B	G33-N022B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,J
TE-1N022C	G33-N022C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF768
TE-2N022C	G33-N022C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N022D	G33-N022D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF768
TE-2N022D	G33-N022D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N022E	G33-N022E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF762
TE-2N022E	G33-N022E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N022F	G33-N022F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF762
TE-2N022F	G33-N022F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023A	G33-N023A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
TE-2N023A	G33-N023A	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023B	G33-N023B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF753
TE-2N023B	G33-N023B	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023C	G33-N023C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-2N023C	G33-N023C	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023D	G33-N023D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF753
TE-2N023D	G33-N023D	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023E	G33-N023E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
TE-2N023E	G33-N023E	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
TE-1N023F	G33-N023F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2,D	N-19,C	28-5/R1DEF771
TE-2N023F	G33-N023F	RWCU	ELEMENT, TEMP.	PYCO	02-9039	E-2	N-19	34-5/R1 D,E,F
FT-1N036	G33-N036	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-5/R1M/749
FT-2N036	G33-N036	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M/749
FT-1N041	G33-N041	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2,D	N-48A,C	28-5/R1M/749
FT-2N041	G33-N041	RWCU	XMITTER,DP/P/FLOW	ROSEMOUNT	1151	E-2	N-48A	34-5/R1M
PDSH-1N044A	G33-N044A	RWCU	SWITCH, PRESS.	BARTON	289	E-2,D	N-26,C	29-4/R1K/719

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
PDSH-2N044A	G33-N044A	RWCU	SWITCH, PRESS.	BARTON	289	E-2	N-26	34-4/R1K
PDSH-1N044B	G33-N044B	RWCU	SWITCH	BARTON	289	D	C	RB,719
PDSH-1N044B	G33-N044B	RWCU	SWITCH, PRESS.	BARTON	289A	E-2,D	N-26,C	25-4/R1K/719
PDSH-2N044B	G33-N044B	RWCU	SWITCH, PRESS.	BARTON	289A	E-2	N-26	30-4/R1K
1C601	H12-P601	RCIC	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C606	H12-P606	RAD MON	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	URR,754'
1C608	H12-P608	PRM	CON RM URR&LRR PLNS	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C609	H12-P609	RPS	CON RM URR&LRR PLNS	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C611	H12-P611	RPS	CON RM URR&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
1C612	H12-P612	FEEDWATER	UPPER & LWR RR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
1C613	H12-P613	INSTR CAB	UPPER & LWR RR PNLS	GENERAL ELECTRIC	N/A	D	P	URR,754'
1C614	H12-P614	TEMP RECB	CON RM URR&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	CS, 729'
1C617	H12-P617	RHR/HPCI	CON RM UPP&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	URR,754'
1C618	H12-P618	RHR/RCIC	CON RM UPP&LRR PNLS	GENERAL ELECTRIC	N/A	D	P	LRR,698'
1C620	H12-P620	HPCI	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698
1C621	H12-P621	RCIC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
1C622	H12-P622	RCIC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
1C623	H12-P623	NBS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698
1C626	H12-P626	CS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	754
1C627	H12-P627	CS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
1C628	H12-P628	AUTO D CH	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	URR,754'
1C631	H12-P631	NBS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	698
1C633	H12-P633	RAD MON	UPPER & LWR RR PNLS	GENERAL E	NONE	D	P	LRR,698'
1C644	H12-P654	MS	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
1C645	H12-P655	MSIV-LC	CONTROL ROOM PANEL	GENERAL E	NONE	D	P	729
1C680A	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680B	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680C	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680D	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680E	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C680F	H12-P680	U OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1TC612	H12-P700	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC613	H12-P701	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC614	H12-P702	GUE	TERMINATION CABINETS	GENERAL E	NONE			754
1TC615	H12-P703	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC623	H12-P704	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC624	H12-P705	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC625	H12-P706	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC611	H12-P730	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	754
1TC625	H12-P731	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
1TC622	H12-P732	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	698
0C653	H12-P853	PL OP	CONTROL ROOM PANEL	GENERAL ELECTRIC	N/A	D	P	CS,729'
1C668	H12-P870	GUE	TERMINATION CABINETS	GENERAL E	NONE	D	P	729
1C001	H23-P001	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-1/R1A/645
2C001	H23-P001	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-1/R1A/645
1C002	H23-P002	RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-5/R1M/749
2C002	H23-P002	RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-5/R1M
1C004	H23-P004	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-5/R1M/749
2C004	H23-P004	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-5/R1M
1C005	H23-P005	RVLP	144' LOCAL PANELS	GENERAL ELECTRIC	N/A	D	C	R,749
2C005	H23-P005	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-5/R1M
1C006	H23-P006	RECIRC	96" LOCAL RACKS	GENERAL ELECTRIC	N/A	D	C	R,683'
1C009	H23-P009	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C009	H23-P009	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/719
1C010	H23-P010	NBS,RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C010	H23-P010	NBS,RWCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/719
1C011	H23-P011	SBLC	30" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,749'
1C014	H23-P014	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-1/R1A/645
2C014	H23-P014	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-1/R1A/645
1C015	H23-P015	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-4/R1K/719
2C015	H23-P015	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-4/R1K/719
1C016	H23-P016	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-3/R1M/683
2C016	H23-P016	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-3/R1M/683
1C017	H23-P017	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-1/R1H/645

PLANT ID NO.	MPL/ P.O. NO.	SYSTEM	COMPONENT TYPE	MANUFACTURER	MODEL	RQR'D QUAL	QUAL DOC	LOC
2C017	H23-P017	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-1/R1H/645
1C018	H23-P018	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-1/R1M/645
2C018	H23-P018	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-1/R1M/645
1C019	H23-P019	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-1/R1A/645
2C019	H23-P019	CSS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-1/R1A/645
1C021	H23-P021	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-3/R1M/683
2C021	H23-P021	RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-3/R1M/683
1C022	H23-P022	RECIRC	120" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,683'
1C025	H23-P025	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C025	H23-P025	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/719
1C030	H23-P030	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683'
1C031	H23-P031	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683'
1C032	H23-P032	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683
1C033	H23-P033	NM	S&I INTER.RANGE MON.	GENERAL ELECTRIC	N/A	D	C	R,683
1C034	H23-P034	HPCI	24" LOCAL PANEL	GENERAL ELECTRIC	N/A	D	C	R,645
1C035	H23-P035	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C035	H23-P035	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/
1C036	H23-P036	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-3/R1M/683
2C036	H23-P036	HPCI	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-3/R1M/
1C037	H23-P037	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-2/R1M/670
2C037	H23-P037	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-2/R1M/
1C038	H23-P038	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-4/R1K/719
2C038	H23-P038	RCIC	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-4/R1K/
1C041	H23-P041	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	29-4/R1K/719
2C041	H23-P041	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	34-4/R1K/
1C042	H23-P042	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C042	H23-P042	NBS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/
1C057	H23-P057	RPS,RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	28-6/R4/779
2C057	H23-P057	RPS,RHR	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	33-6/R4/
1C058	H23-P058	RPS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-6/R1F/779
2C058	H23-P058	RPS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-6/R1F/
1C073	H23-P073	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	25-4/R1K/719
2C073	H23-P073	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	30-4/R1K/
1C074	H23-P074	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2,D	N-84,C	27-4/R1K/719
2C074	H23-P074	MSIV-LCS	LOCAL ELECTR. PANELS	GENERAL ELECTRIC	N/A	E-2	N-84	32-4/R1K/

CHAPTER 5: ENVIRONMENTAL QUALIFICATION RESULTS

This chapter summarizes and presents status of the SSES environmental qualification program as of the date of the submittal, with anticipated completion dates for items not fully qualified.

The Qualified Status means that documentation demonstrating qualification to applicable requirements is complete.

Components identified as complete are those for which:

(1) Available data on the component has been reviewed.

(2) All deficiencies in existing documentation have been identified.

(3) Action plans to resolve deficiencies have been identified.

For identified action plans, one or more of the following must be accomplished.

a. Analysis completed, reviewed and acceptable.

b. Testing has been committed to and scheduled.

c. Replacement of components - qualified replacements have been identified and installation scheduled.

d. Modification has been identified and scheduled.

Sections 5B and 5C present summary tables sorted alphabetically by component type for BOP and NSSS equipment respectively. These sections include the manufacturer and model number, purchase order or MPL number, Equipment Qualification Documentation File number, EQ status with method of qualification or anticipated method of qualification with anticipated completion dates.

Sections 5D and 5E of this Chapter contain the System Component Evaluation Worksheets (SCEW), sometimes called the Component Data Sheets. These sheets, arranged in the same order as sections 5B and 5C components summarize qualification information as requested in IE Bulletin 79-01B. One SCEW sheet is included for each component type, with a listing of all plant ID no.'s covered by that SCEW sheet. The SCEW sheet shows the worst case environment for each component type listed. The qualification status is always listed in Note 1 of the SCEW sheet, and shows the status as of 4/11/83.

8309160198

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	QUALIFICATION P.O. NO.	QUALIFICATION EQDF NO.	STATUS	CAT.	METHOD OF QUALIFICATION	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
1.	Accelerometer	TEC	424-ISO-TEC	J63	41	Q	I	Test	
2.	Actuator, Damper	ITT Gen. Contr.	NH-90 Series	M336A	31B	Q	II	Test & Analy.	
3.	Alarm, Dual	Bailey	745210AAAN2	J03C	34	C	I	Test	6/83
4.	Alarm, Single	Bailey	745110AAAN2	J03C	34	C	I	Test	6/83
5.	Cable Assembly	TEC	424C2	J63	41	Q	I	Test	
6.	Cable, 5 kV Power	Kerite Co.	Note 1	E129	10	Q	II	Test & Analy.	
7.	Cable, 600V, Pwr/Control	Okonite Co.	Note 2	E130BC	12	Q	I	Test	
8.	Cable, 600V, Pwr/Control	AIW Corp.	Note 3	E130A	11	Q	II	Test & Analy.	
9.	Cable, Instrument	Samuel Moore	Note 4	E131A	13	Q	I	Test	
10.	Cable, 600V, Pwr/Control	BIW	Note 5	E401	21	Q	I	Test	
11.	Cable, Specialty	Rockbestoes	RSS-6-105	E133AC	15	Q	I	Test	
*12.	Cable, Specialty	Rockbestoes	Note 6	E133AC	15B	Q	I	Test	
13.	Cable	Bailey	763100TABN1	J03C	34	C	I	Test	6/83
14.	Cable, Specialty	Raychem	Note 7	E131BC	14	Q	I	Test	
15.	Charge Converter,	TEC	TEC-504B	J63	41	Q	I	Test	
16.	Chiller, Centrifugal	Carrier	19FA	M411	27	Q	II	Test & Analy.	
17.	Component Box	COMSIP Customline	None	J05AC	22B	Q	II	Test & Analy.	
18.	Controllers	Bailey	Note 23	J03C	34	C	I	Test	6/83

Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	QUALIFICATION P.O. NO.	QUALIFICATION EQDF NO.	STATUS	CAT.	METHOD OF QUALIFICATION	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
19.	Converter/Isolator	Bailey	Note 8	J03C	34	C	I	Test	2/84
*20.	DX Refrigeration System	American Air Filter	Custom Unit	M421	33	C	I	Test	10/83
21.	Detector, Cl_2 Gas	Wallace/Tiernan	50-125D	M415	29	Q	II	Test & Analy.	
22.	Detector, HiRad w/Cable	GA	RD-23	J64B	42	Q	I	Test & Analy.	
23.	Extractor, Sq. Rt.	Bailey	750010AAAN2	J03C	34	C	I	Test	6/83
24.	Heating Coil, Vent. Filt.	Farr (Chromalox)	PCN 128549	M407/325	31A	Q	II	Test & Analy.	
25.	Heating Coil, SGTS	CVI (Chromalox)	DHMS-2-F-054W24H	M409/321	30	Q	II	Test & Analy.	
26.	Indicator	Bailey	775121ABBN2	J03C	34	C	I	Test	2/84
27.	Isolator, Signal	Validyne	CM249	J98	47	Q	II	Test & Analy.	
28.	Load Center, 480 V	Brown-Boveri	None	E117	3	Q	II	Analy.	
29.	MCC, 250 VDC	General Electric	7700	E502	9	Q	II	Test & Analy.	
30.	MCC, 480V	Cutler-Hammer	Unitrol	E118	4	Q	II	Analy.	
31.	MG Set	Engine Power	Note 9	E151	18	Q	II	Test & Analy.	
32.	Motors, with "H" Insul.	Westinghouse	Note 10	M307/308/309	26	Q	II	Test	
33.	Motors, with "F" Insul.	Westinghouse	Note 11	M315/308	26	C	I	Repl.	1st Refueling
34.	Motor, Pump, Analyzer H_2O_2	Reliance	1YF882640AZONE	J17	35	Q	II	Analy.	
35.	Motor, Unit Cooler	Reliance	286TCZ	M317	28	Q	II	Test	
36.	Operator, MOV (AC)	Limitorque	Note 13	Note 14	48	Q	I	Test	

Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	QUALIFICATION P.O. NO.	QUALIFICATION EQDF NO.	STATUS	CAT.	METHOD OF QUALIFICATION	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
37.	Operator, MOV (DC)	Limitorque	Note 15	Note 14	48	Q	I	Test	
38.	Operator, MOV (AC)IC	Limitorque	Note 16	Note 14	48	Q	I	Test	
39.	Panel, Analyzer, H_2O_2	COMSIP, Inc	K-1V	J17	35	Q	II	Analy.	
40.	Panel, Control (ESS)	COMSIP Customline	None	J05AC	22B	Q	II	Analy.	
41.	Panel, Control (LRW)	COMSIP Customline	None	J05AC	22B	Q	II	Analy.	
42.	Panel, Control	Magnetics	None	J05B	22B	Q	II	Analy.	
43.	Panel, Fire Detector	Allison	A971-1-1-SSS	M415	29	Q	I	Test & Analy.	
44.	Panel, Heater Contr.	Farr (Hoffman)	None	M407	31A	Q	II	Test & Analy.	
45.	Panel, Heater Contr.	CVI (Wiegman)	657676	M409	30	Q	II	Test & Analy.	
46.	Panel, Heater Contr.	CVI, (Hoffman)	A30P24	M409	30	Q	II	Test & Analy.	
47.	Panel, Contr., HVAC	COMSIP Customline	None	M412/334	32	Q	II	Test & Analy.	
48.	Panel, Contr., SGT	COMSIP Customline	None	M412	32	Q	II	Test & Analy.	
49.	Panel, MG Control	Engine Power	RB-MG-CTL-CAB	E151	18	Q	II	Test & Analy.	
50.	Penetration, Elec. Low V	Westinghouse	Modular	E135A	16A	Q	II	Test & Analy.	
51.	Penetration, Elec. Med. V	Westinghouse	Cannister	E135A	16B	Q	II	Test & Analy.	
52.	Power Supply	Bailey	8080B02P008	J03C	34	C	I	Test	2/84
53.	Power Supply, H_2 Recomb.	Westinghouse	SP-4070-1	M87	25	Q	II	Test & Analy.	
54.	Pump, Analyzer, H_2O_2	COMSIP, Inc	11706	J17	35	C	II	Test & Mod.	10/83
55.	Rack	Bailey	761000AAAN1	J03C	34	C	I	Test	6/83

Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	QUALIFICATION P.O. NO.	QUALIFICATION EQDF NO.	STATUS	CAT.	METHOD OF QUALIFICATION	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
56.	Recombiner, Hydrogen	Westinghouse	A	M87	25	Q	II	Test & Analy.	
57.	Relay, Timing	Agastat	E7000	E158	20	Q	II	Test	
58.	Release Sol./DP Switch,BDID	Asco	X8018A4/SB31AMR/TA31	M407	31B	C	II	Test	12/83
*59.	RTD	Conax	7349-10000-01	J59C	40B	Q	I	Test	
60.	RTD, Platinum	Rosemount	Note 25	J59	40	Q			
61.	RTD, Spotmos	Hycal	RTS-41	J51B	37	C	I	Test	12/1/84
62.	Selector, Signal	Bailey	747010AAAN2	J03C	34	C	I	Test	2/84
63.	Set Station	Bailey	714000AAAN2	J03C	34	C	I	Test	2/84
64.	Shelf - 3 Unit	Bailey	762030AAAN1	J03C	34	C	I	Test	6/83
65.	Shelf - 4 Units	Bailey	762040AAAN1	J03C	34	C	I	Test	2/84
66.	Shelf - 7 Units	Bailey	762070AAAN1	J03C	34	C	I	Test	2/84
67.	Signal Resistive Units	Bailey	766100BAAN2	J03C	34	C	I	Test	6/83
68.	Signal Resistive Units	Bailey	Note 17	J03C	34	C	I	Test	2/84
69.	Summer/Scalar	Bailey	752410AAAN2	J03C	34	C	I	Test	6/83
70.	Switch, Auto Transfer	Russ Elec, Inc.	RMT 4004 CEF	E152	19	Q	II	Test & Analy.	
71.	Switch, Flow	Fluid Comp.	12-64-4D, SR875	M415	29	Q	II	Test & Analy.	
72.	Switch, Level	Mercoid	230WT-AV7704	M415	29	Q	II	Test & Analy.	
73.	Switch, Position	NAMCO	EA-740	Note 18	50	Q	I	Test	

Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	QUALIFICATION P.O. NO.	QUALIFICATION EQDF NO.	STATUS	CAT.	METHOD OF QUALIFICATION	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
74.	Switch, Position	NAMCO	EA-180	Note 19	43,49	Q	I	Test	
75.	Switch, Press. Diff.	ASCO	SB32BKR/TA31A16	M415	29	Q	II	Test & Analy.	
76.	Switch, Temp.	ASCO	Note 24	M415	29	Q	II	Test & Analy.	
77.	Switch, Temp.	Chromolox	ARC-24	M321	30	I	II	Analy.	
78.	Switch, Transfer	GE	SB-1	E155	22A	Q	II	Analy.	
79.	Switchgear, 4.16 kV	Westinghouse	50DHP250	E109	1	Q	II		
80.	Transformer, Instr. AC	Fed. Pac. Electr.	Dry Type "FH"	E136	17	Q	II	Test & Analy.	
81.	Transmitter, Diff. Press.	Tavis	P8C (S)	M320	29	Q	I	Test & Analy.	
82.	Transmitter, Press.	Rosemount	1153 Series B	J56B	39	Q	I	Test & Analy.	
*83.	Transmitter, Press & Level	ITT Barton	763, 764	J56A	38	Q	I	Test & Analy.	
84.	Valve, Solenoid	Target Rock	75KK 201 thru 207,210	J70	46	Q	II	Test	
*85.	Valve, Solenoid	Target Rock	75KK 209,211 thru 216	J70	46B	C	I	Test	
86.	Valve, Solenoid	Circle Seal	Note 21	Note 22	44	Q	I	Test	
87.	Valve, Solenoid	ASCO	NP8321A1E	P12B/P17B	49	Q	I	Test	
88.	Valve, Solenoid (IC)	ASCO	NP8344A70E	J69C	45	Q	I	Test	
89.	Valve, Solenoid (IC)	ASCO	NPKX-8321-A1E	J69C	45	Q	I	Test	
90.	Voltage Divider	Bailey	6200K60G0700	J03C	34	C	I	Test	2/84

*These items are Unit 2 unique.

Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

NOTES:

1. Model Nos. 4/03/C Al., 1/C-1000 KCMIL Al., 1/C-750 KCMIL Al., 3/C-500 KCMIL Al., 6 AWg KCMIL 1/C Copper

2. Model Nos. 112-11-2411, 112-11-2431, 112-11-2471, 112-11-2531

3. Model Nos. 2/C-14, 3/C-14, 5/C-14, 7/C-14, 12/C-14, 2/C-12, 4/C-12, 7/C-12, 1/C-10, 2/C-10, 3/C-10, 4/C-10, 12/C-10, 1/C-8, 2/C-8, 3/C-8, 1/C-6, 2/C-6, 3/C-6, 2/C-4, 1/C-2, 2/C-2, 3/C-2

4. Model Nos. 2/C-20, 3/C-20, 5/C-20, 9/C-20, 12/C-20, 24/C-20, 27/C-20, 48/C-20, 2/C-16, 6/C-16, 7/C-16 9/C-16, 12/C-16, 14/C-16, 24/C-16, 37/C-16, 2/C Ch/A1+11C-20, 1TST-16, 3TST-16, 1QUAD-16, 4/C-16

5. Model Nos. 2/C-14, 3/C-14, 5/C-14, 7/C-14, 12/C-14, 3/C-10, 3/C-8, 1/C-6, 3/C-6

6. Model Nos. RSS-6-116, RSS-6-110A, RSS-6-207, RSS-6-112, RSS-6-204, RSS-6-104, RSS-6-105, RSS-6-101

7. Model Nos. 10483, 9118D0331, 7523D1330, 5012G1339, 10568, 10567, 7521D3330, 10566, 9324D1017

8. Model Nos. 740311CAAN2, 740111CAAN2

9. Model Nos. Motor - 150-48036, 4321, Generator - 100-483361121

10. Model Nos. Various models (Motors with "H" insulation).

11. Model Nos. Various models (Motors with "F" insulation).

12. Model Nos. Deleted

13. Model Nos. SMB125, SMB140, SMB225, SMB260, SMB4200, SMB4250, SMB02, SMB005, SMB007.5, SMB0010, SMB0015, SMB0025, SMB0002, SMB0005, SMB240, SMB3100, SMB025, SMB5350

14. P.O. Nos. P10A, P10B, P11A, P12A, P12B, P14A, P15A, P15B, P16A, P17A, P14B

15. Model Nos. SMB140, SMB160, SMB240, SMB015, SMB025, SMB3150, SMB010, SMB005, SMB007.5, SMB0015, SMB0025, SMB0005, SMB0002

BOP SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

NOTES:

16. Model Nos. SMB140, SMB380, SMB4150, SMB015, SMB0010, SMB0005, SMB007.5
17. Model Nos. 766100BAAN2WCE, 766100BAAN2WCD
18. P. O. Nos. P16A, P31A
19. P. O. Nos. J65B, P12B, P17A, P17B
20. Model Nos. 763, 764
21. Model Nos. SV-31S-9101
22. P. O. Nos. J69B, P16A, P31A
23. Model Nos. 701002AAAN1, 701002AABN1
24. Model Nos. SB12 BKR/QD11A4, SC11AR/QD10A4, SB12 BKR/QF10A4, SB12 BKR/QF11A4
25. Model Nos. 88-14-1, 88-14-13, 88-13-25

UNIT 1

NSS SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	EQEL NO.	QUAL. STATUS*	METHOD OF QUAL.	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
1.	Actuator, MSIV	Atwood & Morrill	C-5140	78	C	Test	Note 3
2.	Actuator, MOV	Limitorque	SMB-00-25,SMB-3-100	79	Q	Test	
3.	Actuator, SRV	Crosby	6R10-HP-65-BP	69	Q	T & A	
4.	Blower, MSIV-LCS	GE/Siemens	2CH6 Modified	73	Q	T & A	
5.	Controls, HPCI Turb	Woodward/Terry	R8250-133	80	C	Test	Note 3
6.	Detector Assy, Power Range	GE	NA 200 (43 Items)	37	C	Test	Note 3
7.	Element, Flow	S&K/Ametek	20-9651-8550	36	Q	T & A	
8.	Element, Temp	PYCO	02-9039	19	Q	Test	
9.	Heater Assy, MSIV-LCS	GE	Note 1	72	Q	T & A	
10.	Ionization Chamber	GE	NA05	61	Q	T-E-A	
11.	Local Electrical Panel	GE	Various	84	Q	Analysis	
12.	Motor CS Pump	GE	5K6338XC76A	76	Q	T & A	
13.	Motor, RHR Pump	GE	5K635XC10A	71	Q	T & A	
14.	Sensor & Converter	GE	194X927G11	59A	C	MOD	Note 3
15.	Sensor & Converter	GE	194X927G11	59B	Q	T & A	
16.	Scram Valve, Dual Air Hdr	ASCO	HT8323A23	82	Q	T & A	
17.	Scram Valve, HCU	ASCO	HVA-176-186	81	Q	T & A	
18.	Scram Valve, Pilot Air Hdr	ASCO	HT8316C37	83	Q	T & A	
19.	Switch, Level	Magnetrol	Note 4	24	Q	T & A	
20.	Switch, LIT	Barton	760	25	Q	T & A	

*Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

T & A = TEST AND ANALYSIS
T-E-A = TEST, EXPERIENCE AND ANALYSIS
MOD = MODIFICATION

NSS SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	EQEL NO.	QUAL. STATUS*	METHOD OF QUAL.	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
21.	Switch, Position	Namco	EA-700-50-100	68A	C	Replace	Note 3
22.	Switch, Position	Namco	EA-740-50-100	68B	Q	Test	
23.	Switch, Press	SOR	Note 2	10	Q	T & A	
24.	Switch, Press	SOR	12N-AA4-X10TT	11	Q	T & A	
25.	Switch, Press	Barton	289,289A,288,288A	26	Q	T & A	
26.	Switch, Press	Barksdale	P1H-M340SSV,P1H-M85SSV	31	Q	T & A	
27.	Switch, Press	Barksdale	B1T-M12SS-GE,B1TC12SS-GE	54	Q	T & A	
28.	Transmitter, DP/P/Flow	Rosemount	1151,1152	48A	Q	T & A	
29.	Transmitter, DP/P/Flow	Rosemount	1151	48B	Q	T & A	
30.	Transmitter, DP/P/Flow	Rosemount	1151	48C	C	Replace	Note 3
31.	Transmitter, Flow	S&K Ametek	91X-16	38	Q	Analysis	

NOTES:

1. DRWG #47D518673/47C518675G1
2. 6N-AA21, 5N-AA3, and 6N-AA2
3. By Unit 1 First Refuel
4. 3.5-751-1X-MPG-M14HY, 5.0-751-1X-MPG-M13HY, 5.0-751-2X-MPG-M14HY

*Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

T & A = TEST AND ANALYSIS
T-E-A = TEST, EXPERIENCE AND ANALYSIS
MOD = MODIFICATION

UNIT 2

NSS SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	EQEL NO.	QUAL. STATUS*	METHOD OF QUAL.	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
1.	Actuator, MSIV	Atwood & Morrill	C-5140	78	C	Test	
2.	Actuator, MOV	Limitorque	SMB-00-25,SMB-3-100	79	Q	Test	
3.	Actuator, SRV	Crosby	6R10-HP-65-BP	69	Q	T & A	
4.	Blower, MSIV-LCS	GE/Siemens	2CH6 Modified	73	Q	T & A	
5.	Controls, HPCI Turb	Woodward/Terry	R8250-133	80	C	Test	
6.	Detector Assy, Power Range	GE	NA 200 (43 Items)	37	C	Test	
7.	Element, Flow	S&K/Ametek	20-9651-8550	36	Q	T & A	
8.	Element, Temp	PYCO	02-9039	19	Q	Test	
9.	Heater Assy, MSIV-LCS	GE	Note 1	72	Q	T & A	
10.	Ionization Chamber	GE	NA05	61	Q	T-E-A	
11.	Local Electrical Panel	GE	Various	84	Q	Analysis	
12.	Motor CS Pump	GE	5K6338XC76A	76	Q	T & A	
13.	Motor, RHR Pump	GE	5K635XC10A	71	Q	T & A	
14.	Sensor & Converter	GE	194X927G11	59A	C	MOD	
15.	Sensor & Converter	GE	194X927G11	59B	Q	T & A	
16.	Scram Valve, Dual Air Hdr	ASCO	HT8323A23	82	Q	T & A	
17.	Scram Valve, HCU	ASCO	HVA-176-186	81	Q	T & A	
18.	Scram Valve, Pilot Air Hdr	ASCO	HT8316C37	83	Q	T & A	
19.	Switch, Level	Magnetrol	Note 4	24	Q	T & A	
20.	Switch, LIT	Barton	760	25	Q	T & A	

*Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

T & A = TEST AND ANALYSIS
T-E-A = TEST, EXPERIENCE AND ANALYSIS
MOD = MODIFICATION

NSS SAFETY RELATED ELECTRICAL COMPONENT SUMMARY
LISTED BY COMPONENT TYPE

ITEM NO.	GENERIC NAME (COMPONENT TYPE) ALPHABETICAL BY COMPONENT TYPE	MANUFACTURER	MODEL NO.	EQEL NO.	QUAL. STATUS*	METHOD OF QUAL.	ANTICIPATED DATE FOR COMPONENT EQ TO BE COMPLETED OR QUALIFIED
21.	Switch, Position	Namco	EA-700-50-100	68A	C	Replace	Note 3
22.	Switch, Position	Namco	EA-740-50-100	68B	Q	Test	
23.	Switch, Press	SOR	Note 2	10	Q	T & A	
24.	Switch, Press	SOR	12N-AA4-X10TT	11	Q	T & A	
25.	Switch, Press	Barton	289,289A,288,288A	26	Q	T & A	
26.	Switch, Press	Barksdale	P1H-M340SSV,P1H-M85SSV	31	Q	T & A	
27.	Switch, Press	Barksdale	B1T-M12SS-GE,B1TC12SS-GE	54	Q	T & A	
28.	Transmitter, DP/P/Flow	Rosemount	1151,1152	48A	Q	T & A	
29.	Transmitter, DP/P/Flow	Rosemount	1151	48B	Q	T & A	
30.	Transmitter, DP/P/Flow	Rosemount	1151	48C	C	Replace	Note 3
31.	Transmitter, Flow	S&K Ametek	91X-16	38	Q	Analysis	

NOTES:

1. DRWG #47D518673/47C518675G1
2. 6N-AA21, 5N-AA3, and 6N-AA2
3. By Unit 1 First Refuel
4. 3.5-751-1X-MPG-M14HY, 5.0-751-1X-MPG-M13HY, 5.0-751-2X-MPG-M14HY

*Q = QUALIFIED
C = COMPLETE
I = INCOMPLETE

T & A = TEST AND ANALYSIS
T-E-A = TEST, EXPERIENCE AND ANALYSIS
MOD = MODIFICATION

TABLE OF CONTENTS

Section 5D - BOP SCEW SHEETS

TABLE OF CONTENTS

Section 5D - BOP SCEW SHEETS

TABLE OF CONTENTS

Section 5D - BOP SCEW SHEETS

TABLE OF CONTENTS

Section 5D - BOP SCEW SHEETS

EQDF: #1
Date: 2/25/83
Rev. 4

COMPONENT: SWITCHGEAR, 4.16 kV

MANUFACTURER: WESTINGHOUSE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1A201	50 DHP-250	SACP	R1I, 29
1A202	50 DHP-250	SACP	R1I, 28
1A203	50 DHP-250	SACP	R1I, 29
1A204	50 DHP-250	SACP	R1I, 28
1A205	50 DHP-250	SACP	R1I, 29
1A206	50 DHP-250	SACP	R1I, 29

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 1
COMPONENT SHEET NO: 1 of 3
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
4 kV SWITCHGEAR
MANUFACTURER:
WESTINGHOUSE
MODEL NUMBER:
PURCHASE ORDER NO.:
E109
FUNCTION/SERVICE:
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV. 670'-0"
ABOVE FLOOD LEVEL?: YES:X NO:

042783

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B & C	REF. D	DESIGN TEST	NONE
TEMPERATURE (°F)	NORM: 104°F ACC: 104°F	104 104	REF. A	REF. D	DESIGN TEST ANALYSIS	NONE
PRESSURE INCH WG	NORM: -.125" ACC: -.25"	ATMOS.	REF. A	REF. D	ANALYSIS	NONE
RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90	REF. A	REF. D	ANALYSIS	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	1.1E06 SEE NOTE 2	REF. A.	REF. D	ANALYSIS	NONE
AGING	40 YEARS	40 YEARS SEE NOTES 2 & 3	REF. B	REF. D	ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

200813

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. Bechtel M/R & Spec. 8856-E-109D
D. Bechtel V.P. #8856-E-109D-4-3

NOTES

1. Qualified to NUREG-0588, Category II. See Note 4 for detailed information for the modification on replacement of subcomponents.

5D-02

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. The following subcomponents have been qualified to less radiation values than that given in the FSAR (for item description see Ref. D). For these items, the Beta radiation has been addressed in the report. The items have been evaluated to be qualified by considering the appropriate Beta reductions.

Items	Radiation (Rads Gamma)
178 (ITE 27D relay)	1.0E05
181, 182 (Agastat E TR14D relays)	2.0E05
183 (Agastat E7000 series)	2.0E05
39 (ITE GR-5 Alarm Relay)	1.0E05
40, 42, 44, 45, 161, 167, 171 (W Relays)	1.0E06

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1

EQDF NO. 1
COMPONENT SHEET NO 3 of 3
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

3. The following subcomponents are with less than forty years Projected Qualified Life (for item description see Ref. D).

Items	Projected Qualified Life (Yrs.)
40, 41(a), 42, 44, 45 161, 167, 171	16
152, 158, 181, 182, 183	10
39, 178	12
113, 115	15 (b)

(a) With diode replacement at 10-year intervals.
(b) Can be extended on a year-by-year basis test after 15 years.

5D-04

EQDF: #1
Date: 2/25/83
Rev. 4

COMPONENT: SWITCHGEAR, 4.16 kV

MANUFACTURER: WESTINGHOUSE

UNIT II

2A201	50 DHP-250	SACP	R1I, 33
2A202	50 DHP-250	SACP	R1I, 33
2A203	50 DHP-250	SACP	R1I, 34
2A204	50 DHP-250	SACP	R1I, 33
2A205	50 DHP-250	SACP	R1I, 33
2A206	50 DHP-250	SACP	R1I, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 2

EQDF NO. 1
COMPONENT SHEET NO: 1 of 5
REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: 4 kV SWITCHGEAR MANUFACTURER: WESTINGHOUSE MODEL NUMBER: PURCHASE ORDER NO.: E-109 FUNCTION/SERVICE: POWER DISTRIBUTION ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV. 670'-0" ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B &C	REF. D	DESIGN TEST	NONE
	TEMPERATURE (°F)	NORMAL: 104°F ACC.: 104°F	104 104	REF. A	REF. D	DESIGN TEST ANALYSIS	NONE
	PRESSURE INCH WG	NOR: -.125 ACC.:-.25	ATMOS.	REF. A	REF. D	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NOR: 90/10 ACC: 90	90	REF. A	REF. D	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	1.1E06 SEE NOTE 2	REF. A	REF. D	ANALYSIS	NOTE 4
	AGING	40 YEARS	40 YEARS NOTE 3	REF. B	REF. D	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

153690

4429

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel M/R & Spec. 8856-E-109D D. Bechtel V.P. #8856-E-109D-4-3	1. COMPLETE - The equipment will be qualified to NUREG-0588 Category II prior to initial criticality. See Note 4 for detail information for the modification on replacement of subcomponents.

5D-06

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. The following subcomponents have been qualified to less radiation values than that given in the FSAR (for item description see Ref. D). For these items, the Beta radiation has been addressed in the report. The items have been evaluated to be qualified by considering the appropriate Beta reductions.

Items	Radiation (Rads Gamma)
178 (ITE 27D relay)	1.0E05
181, 182 (Agastat E TR14D relays)	2.0E05
183 (Agastat E7000 Series)	2.0E05
39 (ITE GR-5 Alarm Relay)	1.0E05
40, 42, 44, 45, 161, 167, 171 (W Relays)	1.0E06

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

3. The following subcomponents are with less than forty years Projected Qualified Life (for item description see Ref. D).

Items	Projected Qualified Life (Yrs.)
40, 41(a), 42, 44, 45 161, 167, 171	16
152, 158, 181, 182, 183	10
39, 178	12
113, 115	15 (b)

(a) With diode replacement at 10-year intervals.
(b) Can be extended on a year-by-year basis tests after 15-years.

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

4. The following subcomponents have been identified to be replaced or modified. Action plans are in progress:

Items	Status
20, 21, 22, 29 (Agastat 7000 Series Timing Relays)	Replaced by Agastat E7000 Series timing relays.
180 (GE Pushbutton Switch type CR-2940WA)	GE GR-2940Y type pushbutton switch has been identified for use as a replacement. GE has stated that the material difference between the "WA" and the "Y" series is that the type "Y" switch utilizes an octagonal Aluminum ring and spacers of material different from that used on the type "W" switch. They confirmed that the plastic ring and spacers used on the type "W" switch can be replaced by the Aluminum ring and spacers. DCP has been issued. Field implementation is being made. (Notes a and b.)
(Potter & Brumfeld type MDR-5062)	Relay pigtails have been identified to be teflon insulated. Sleeving material has been identified for covering the pigtails. DCP has been issued. Field implementation is being made.

5D-09

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	5. Based on the Westinghouse Equipment Qualification Data Report, proper equipment maintenance is essential for the continued effective operation of the Switchgear. The normal inspection and maintenance for the switchgear is contained in the Instruction Manual (V.P. 8856-E-109-35), which was furnished with the equipment under P.O. 8856-E-109. This document includes the Westinghouse Instruction Book I.B. 32-253A. Westinghouse recommends that the user of the switchgear shall develop a definite inspection and maintenance schedule which shall be followed systematically. Notes: a. The original devices have been qualified to the seismic and hydrodynamic testing. There is no harsh environment anticipated prior to initial criticality. b. The CR-2940 WA pushbutton switches are for the resetting of the trip alarm relays. The device can be exposed to a DBA environment, but need not function to mititgate any accident.

EQDF #3
Date: 2/25/83
Rev. 4

COMPONENT: LOAD CENTER 480V

MANUFACTURER: BROWN-BOVERI

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1B210/1x210	Switchgear: NONE Transformer - VU-9	SACP	R1i, 29
1B220/1x220	Switchgear - NONE Transformer - VU-9	SACP	R1i, 28
1B230/1x230	Switchgear - NONE Transformer - VU-9	SACP	R1i, 29
1B240/1x240	Switchgear - NONE Transformer - VU-9	SACP	R1i, 28

UNIT II

2B210/2x210	Switchgear: NONE Transformer - VU-9	SACP	R1i, 33
2B220/2x220	Switchgear - NONE Transformer - VU-9	SACP	R1i, 34
2B230/2x230	Switchgear - NONE Transformer - VU-9	SACP	R1i, 34
2B240/2x240	Switchgear - NONE Transformer - VU-9	SACP	R1i, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 3

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B & C	REF. D	ANALYSIS & EXTRAPOL.	NONE
COMPONENT: 480V LOAD CENTER	TEMPERATURE (°F)	NORM: 104 ACC: 104	NORMAL: 104 ACC: 104	REF. A & E	REF. D	ANALYSIS & EXTRAPOL.	NONE
MANUFACTURER: GOULD-BROWN BOVERI MODEL NUMBER:	PRESSURE INCH WG	NORM: -.125" ACC: -.25"	NORMAL: ATMOS. ACC: ATMOS.	REF. A	REF. D	ANALYSIS & EXTRAPOL.	NONE
PURCHASE ORDER NO: E-117	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	NORMAL: 90 ACC: 90	REF. A & E	REF. D	ANALYSIS & EXTRAPOL.	NONE
FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
LOCATION: AREA: ELEV: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	TOTAL: 2.1E06 (γ)	REF. A	REF. D	SEE NOTE 2 ANALYSIS & EXTRAPOL.	NONE
FLOOD LEVEL ELEV:	AGING	40 YEARS	SEE NOTE 2	REF. B & C	REF. D	ANALYSIS & EXTRAPOL.	N/A
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

746658

307776

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR para. 3.11.2b-1 C. Specification 8856-E-117 D. Gould-Brown Boveri Report 33-54950-05 (Bechtel V.P. No. 8856-E117-128) & Trip Device (Bechtel V.P. #8856-E117-130)	1. Qualified to NUREG-0588, Cat. II. 2. The equipment is qualified for 40 years. For qualified life of individual devices (subcomponent), see the tables in sections 5 and 6 of Ref. D.

(MC/P18-17)

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

OWNER PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 3
COMPONENT SHEET NO 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. EPM, App. D, Rev. 10	

(MG/P18-17)

EQDF #4
Date: 2/25/83
Rev. 4

COMPONENT: MOTOR CONTROL CENTER, 480 V

MANUFACTURER: CUTLER-HAMMER

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1B216	UNITROL	SACP	R1m, 27
1B217	UNITROL	SACP	R1i, 29
1B219	UNITROL	SACP	R1m, 27
1B226	UNITROL	SACP	R1m, 28
1B227	UNITROL	SACP	R1i, 28
1B229	UNITROL	SACP	R1k, 28
1B236	UNITROL	SACP	R1i, 29
1B237	UNITROL	SACP	R1m, 27
1B246	UNITROL	SACP	R1i, 28
1B247	UNITROL	SACP	R1m, 28
1Y216	UNITROL	SACP	R1m, 27
1Y218	UNITROL	SACP	R1k, 29
1Y226	UNITROL	SACP	R1m, 28
1Y236	UNITROL	SACP	R1k, 29
1Y246	UNITROL	SACP	R1k, 28

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
2B216	UNITROL	SACP	R1m, 32
2B217	UNITROL	SACP	R1i, 33
2B219	UNITROL	SACP	R1m, 32
2B226	UNITROL	SACP	R1m, 33
2B227	UNITROL	SACP	R1i, 34
2B229	UNITROL	SACP	R1k, 33
2B236	UNITROL	SACP	R1i, 34
2B237	UNITROL	SACP	R1m, 32
2B246	UNITROL	SACP	R1i, 33
2B247	UNITROL	SACP	R1m, 33
2Y216	UNITROL	SACP	R1m, 32
2Y218	UNITROL	SACP	R1k, 34
2Y226	UNITROL	SACP	R1m, 33
2Y236	UNITROL	SACP	R1k, 34
2Y246	UNITROL	SACP	R1k, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 4
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B & C	REF. D	ANALYSIS & EXTRAPOL.	NONE
COMPONENT: 480V MOTOR CONTROL CENTER	TEMPERATURE (°F)	NORMAL: 100 ACC: 104	NORMAL: 104 ACC: 104	REF. A, E	REF. D	ANALYSIS & EXTRAPOL.	NONE
MANUFACTURER: EATON CORP./CUTLER-HAMMER MODEL NUMBER:	PRESSURE	NORMAL: -.125" ACC: -.25"	NORMAL: ATMOS. ACC: ATMOS.	REF. A	REF. D	ANALYSIS & EXTRAPOL.	NONE
PURCHASE ORDER NO: E-118	RELATIVE HUMIDITY (%)	NORMAL: 90 ACC: 90	NORMAL: 90 ACC: 90	REF. A, E	REF. D	ANALYSIS & EXTRAPOL.	NONE
FUNCTION/SERVICE: POWER DISTRIBUTION	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
ACCURACY: SPEC: N/A DEMO: N/A	RADIATION (RAD) TID GAMMA BETA	NORM: 8.2E02 ACC: 4.9E04 ACC: 1.1E06	1.2E06	REF. A	REF. D	ANALYSIS & EXTRAPOL.	NONE
LOCATION: AREA: ELEV.: ROOM:	AGING	40 YEARS	NOTE 2	REF. B & C	REF. D	ANALYSIS & EXTRAPOL.	NONE
FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES: X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

077253

312573

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b-1 C. Specification 8856-E118 D. National Technical System Report (548-9304 (V.P. 8856-E503-5) E. EPM App. D, Rev. 10	1. The equipment is qualified to NUREG-0588 Cat II. 2. For Qualified life of individual devices (subcomponents) see table VIII of the report (Ref.D).

(MG/P.18-17)

EQDF: #9
Date: 2/25/83
Rev. 4

COMPONENT: MOTOR CONTROL CENTER, 250 V.D.C.

MANUFACTURER: GENERAL ELECTRIC

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1D254	7700	SDCP	R1M, 27
1D264	7700	SDCP	R1M, 28
1D274	7700	SDCP	R1M, 25

UNIT II

2D254	7700	SDCP	R1M, 32
2D264	7700	SDCP	R1M, 33
2D274	7700	SDCP	R1M, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 9

COMPONENT SHEET NO: 1 of 3

REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: 250V DC Motor Control Ctr. MANUFACTURER: General Electric MODEL NUMBER: PURCHASE ORDER NO.: E-121 and E502 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, D	NOTE 2	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	104 NOTE 5 104	REF. A	REF. D	NOTE 2	NONE
	PRESSURE	NORM: -0.25" ACC: -0.25"	ATMOS. ATMOS.	REF. A	REF. D	NOTE 2	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90 90	REF. A	REF. D	NOTE 2	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	NOTES 3, 5 & 6	REF. A	REF. C	NOTE 2	NONE
	AGING	40 YEARS	NOTE 4	REF. B	REF. C	NOTE 2	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

4788

0344

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. NTS Analysis Report #548-9297 Rev. 2 - V/P #8856-E502-3-5	1) Qualified to NUREG 0588 Cat. II and IEEE 323-1971. 2) Qualification based on type testing, analysis, operation experience and installation and service programs.

5D-17

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. G.E. MCC/IEEE Std. 323 Posture for compliance #8856-E121-27-1	3) Refer to Reference C, pages 32 thru 39 - Section 5.4. Each sub-component is analyzed for its radiation V/P exposure and is relatively unaffected by exposure anticipated during its respective qualified life. Threshold radiation values are provided in Table V of this report. 4) Refer to Reference C, pages 22 thru 32 - Section 5.3. Age sensitive materials in each sub-components have been identified, aging effects have accounted for and replacement schedule has been established. See Table IV and Table VI of the above report. 5) Margin: The temperature in the area where equipment is located varies between 60°/104°F. The equipment is qualified for 104°F continuous ambient temperature. In the determination of qualified life of each service, the internal heat rise of each device plus a 10°C cabinet temperature (per IEEE 649-1980) was included in the service temperature in addition to the ambient temperature of 40°C (104°F). Thus, the qualification analysis adequately addresses the environmental stresses incurred from temperature. (See Paragraph 5.3.9 of Reference C.) Threshold values of materials used in components of the 250V dc MCC's qualification are far greater than 10% of the specified value of radiation parameters. This, plus the conservation applied in specified value of radiation requirements, is adequate to demonstrate that MCC components are relatively unaffected by radiation exposure anticipated during their respective qualified lives. See Table V, Page 56 of Reference C for radiation aging matrix.

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 9
COMPONENT SHEET NO 3 of 3
REV 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	6) Separate Effects: This equipment is located in an environment which is NOT exposed to hostile steam environment (LOCA or HELB). The only significant change in the environment is the radiation for which the 250V dc MCC components were adequately analyzed. This radiation analysis shows that the MCC components are relatively unaffected by radiation exposure anticipated during their qualified life. Since the 250V dc MCC's essentially remain at room temperature during a DBA we believe that there is no adverse effect on the equipment due to simultaneous exposure to multiple stresses; i.e.: temperature and radiation. The 250V dc MCC's are qualified by analysis of critical chemical/physical/mechanical properties of age-sensitive materials (Reference C). There are no solid state devices in the 250V dc MCC's.

(MG/P18-17)

EQDF NO: 10
DATE: 2/25/83
REV: 4

COMPONENT: CABLE, 5kV NONSHIELDED POWER

MANUFACTURER: KERITE COMPANY

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
F04	#4/0 3/C Al	GUE	R1i, g, n
F10	1000 kcmil 1/C Al	GUE	R1i, g, n
F50	500 kcmil 3/C Al	GUE	R1i, g, n
F61	6 AWG 1/C Copper	GUE	R1i, g, n
F75	750 kcmil 1/C Al	GUE	R1i, g, n

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 10
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM: General Use Electrical Equipment

PLANT I.D. NO.:

COMPONENT: 5 kV Nonshielded Power Cables

MANUFACTURER: The Kerite Company

MODEL NUMBER:

PURCHASE ORDER NO.: E-129

FUNCTION/SERVICE: Transmit Electrical Power

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.: N/A

ABOVE FLOOD LEVEL?: YES X NO

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	TYPE TEST	NONE
TEMPERATURE (°F)	NORMAL: 104° ACC:296°(60 sec) 130°(longterm)	NOR: 200° MAX:340°(3 hrs) 200°(longterm)	REF. A	REF. C	TYPE TEST	NONE
PRESSURE	NOR: 14.7 ACC: SEE NOTE 2	NOR: 14.7	REF. A MAX: 118.7	REF. C	TYPE TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	NOR: 100 MAX: 100	REF. A	REF. C	TYPE TEST	NONE
CHEMICAL SPRAY	N/A	BORATE SOL'N	N/A	REF. C	TYPE TEST	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E04 ACC: 1.7E07 ACC: 1.1E06	2.0E08	REF. A	REF.C	TYPE TEST	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. C	TYPE TEST	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

4954

653006

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR para. 3.11-2b.1
C. The Kerite Co., Qual. Test of Kerite 5kV Nonshielded Power Cable Under Simulated Post-Accident Conditions, April 1, 1977, V.P. #8856-E 129-19-2

NOTES

1. Qualified to NUREG-0588, Cat. II
2. 16.5 PSIA 60 sec
-.25 WG Longterm

(MG/P18-17)

EQDF: #11
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, 600V POWER & CONTROL

MANUFACTURER: AMERICAN INSULATED WIRE CORP.

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
L02	2/c-14-600V	GUE	OUTSIDE CONTAINMENT
L03	3/c-14-600V	GUE	OUTSIDE CONTAINMENT
L05	5/c-14-600V	GUE	OUTSIDE CONTAINMENT
L07	7/c-14-600V	GUE	OUTSIDE CONTAINMENT
L12	12/c-14-600V	GUE	OUTSIDE CONTAINMENT
D11	1/c-10-600V	GUE	OUTSIDE CONTAINMENT
D12	2/c-10-600V	GUE	OUTSIDE CONTAINMENT
D13	3/c-10-600V	GUE	OUTSIDE CONTAINMENT
D14	4/c-10-600V	GUE	OUTSIDE CONTAINMENT
D81	1/c-8-600V	GUE	OUTSIDE CONTAINMENT
D83	3/c-8-600V	GUE	OUTSIDE CONTAINMENT
D61	1/c-6-600V	GUE	OUTSIDE CONTAINMENT
D63	3/c-6-600V	GUE	OUTSIDE CONTAINMENT
D21	1/c-2-600V	GUE	OUTSIDE CONTAINMENT
D23	3/c-2-600V	GUE	OUTSIDE CONTAINMENT
S02	2/c-12-600V	GUE	OUTSIDE CONTAINMENT
S04	4/c-12-600V	GUE	OUTSIDE CONTAINMENT
S07	7/c-12-600V	GUE	OUTSIDE CONTAINMENT
S12	2/c-10-600V	GUE	OUTSIDE CONTAINMENT
S13	3/c-10-600V	GUE	OUTSIDE CONTAINMENT
S14	4/c-10-600V	GUE	OUTSIDE CONTAINMENT
S18	12/c-10-600V	GUE	OUTSIDE CONTAINMENT
D82	2/c-8-600V	GUE	OUTSIDE CONTAINMENT
D62	2/c-6-600V	GUE	OUTSIDE CONTAINMENT
D42	2/c-4-600V	GUE	OUTSIDE CONTAINMENT
D22	2/c-2-600V	GUE	OUTSIDE CONTAINMENT
C02	2/c-14-600V	GUE	OUTSIDE CONTAINMENT
B12	2/c-10-600V	GUE	OUTSIDE CONTAINMENT
S05	4/c-12-600V	GUE	OUTSIDE CONTAINMENT
L17	7/c-14-600V	GUE	OUTSIDE CONTAINMENT

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 11
COMPONENT SHEET NO: 1 of 3
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
ELECTRIC CABLE NETWORK

PLANT I.D. NO.

COMPONENT:
600V POWER & CONTROL CABLE

MANUFACTURER:
AMERICAN INSULATED WIRE CORPORATION

MODEL NUMBER:

PURCHASE ORDER NO.:
E-130A

FUNCTION/SERVICE:
POWER DISTRIBUTION & CONTROL

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV. 705-8"

ABOVE FLOOD LEVEL?:
YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS (40 YEARS)	CONTINUOUS (40 YEARS)	REF. B	REF. C	TEST	SEE (NOTE 2)
TEMPERATURE (°F)	SEE NOTE 4	SEE NOTE 5	REF. A	REF. C	TEST	"
PRESSURE	SEE NOTE 4	SEE NOTE 5	REF. A	REF. C	TEST	"
RELATIVE HUMIDITY (%)	SEE NOTE 4	SEE NOTE 5	REF. A	REF. C	TEST	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	SEE NOTE 4	SEE NOTE 5	REF. A	REF. C & D	TEST	"
AGING	40 YEARS	40 YEARS AT 65°C SEE NOTE 1	REF. B	REF. C & E	TEST	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

2298

450025

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. AIW Report No. 542-1161A
V.P. 8856-E-130A-348-3

NOTES

(1) The cables are qualified by test for the environment external to the containment in accordance with IEEE-383(74) and NUREG-0588, Cat. II. This qualification is based on result of tests performed in accordance with IEEE 383 at 65°C conductor temperature (V.P. 8856-E-130A-348-3) and extrapolated using
(Cont'd)

5D-23

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

D. Bechtel Letter to AIW, dated 1-29-82 (DCN-157259).

E. Bechtel letter to PP&L dated 3-23-82 (DCN-161417).

NOTES (CONT.)

Arrhenis plot (AIW letter, DCN 160240) to 90°C conductor temperature. So obtained, the qualified life at 90°C is 3-1/2 years.
From other tests this cable has an indicated life (without IEEE-383 tests) of 14 plus years.

(2) An analysis will be made to qualify AIW cable to 40 years of operation at 90°C in the environment external to the containment.

(3) The cables and their plant ID Nos. are as follows: (Component Data Sheets) are typical for each of these cables.)

Cable Code	Type of Cable	Cable Code	Type of Cable
L02	2/c-14-600V	S021	2/c-12-600V
L03	3/c-14-600V	S041	4/c-12-600V
L05	5/c-14-600V	S071	7/c-12-600V
L07	7/c-14-600V	S121	2/c-10-600V
L12	12/c-14-600V	S131	3/c-10-600V
D11	1/c-10-600V	S141	4/c-10-600V
D12	2/c-10-600v	S181	12/c-10-600V
D13	3/c-10-600V	D821	2/c-8-600V
D14	4/c-10-600V	D621	2/c-6-600V
D81	1/c-8-600V	D421	2/c-4-600V
D83	3/c-8-600V	D221	2/c-2-600V
D61	1/c-6-600V	C02	2/c-14-600V
D63	3/c-6-600V	B12	2/c-10-600V
D21	1/c-2-600V	S05	4/c-12-600V
D23	3/c-2-600V	L17	7/c-14-600V

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 11
COMPONENT SHEET NO 3 of 3
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

(4) Environmental Profile:

	Time	Temp. °F	PSIG	RH %	Radiation Gamma Rads	Radiation Beta Rads
NORMAL	Continuous	130°F	0 to 2	100	*	
ACCIDENT	100 Days	300°F/60 sec. followed by 130°F/100 Days	4.2	100	1.2×10^7	1.1×10^6 TID

*Normal Dose Included in Accident Dose.

(5) Qualification Environmental Profile

	Temp.	Press	RH %	Radiation
NORMAL	65°C**	-.375"wg.	100%	*
ACCIDENT	(See Tem./Press. Profile in Qualif. Report V.P. 8856-E130A-348-3)		100%	6.2×10^7

*Normal dose included in accident dose.
**Presently cables have been thermally aged to simulate 40 years of life at 65°C.

(MG/P18-17)

EQDF: #12
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, 600V POWER & CONTROL

MANUFACTURER: OKONITE

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
R04	112-11-2411	GUE	*
R35	112-11-2471	GUE	*
R50	112-11-2531	GUE	*
R75	112-11-2431	GUE	*

* Cables are installed at various locations throughout the Reactor Building.

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 12
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT: 600 V Power and Control Cable
MANUFACTURER: The Okonite Co.
MODEL NUMBER:
PURCHASE ORDER NO.: E130BC
FUNCTION/SERVICE: Transmit Electrical Power
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV.: 705'-8"
ABOVE FLOOD LEVEL?:
YES: X NO:

077151

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NOR: 150° ACC: SEE NOTE 3	NOR: 194°F MAX: SEE NOTE 4	REF. A	REF. C	SEQUENTIAL TEST	NONE
PRESSURE (PSIA)	NOR: 16.2 ACC: SEE NOTE 3	NOR: ATMOS. MAX: 127.7	REF. A	REF. C	SEQUENTIAL TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	MAX: 100	REF. A	REF. C	SEQUENTIAL TEST	NONE
CHEMICAL SPRAY	DEMIN. WATER	CHEM. SPRAY	N/A	REF. C	SEQUENTIAL TEST	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 1.4E07 ACC: 8.4E07 ACC: 1.9E09	(SEE NOTE 2) TOTAL: 2.0E08	REF. A	REF. C	SEQUENTIAL TEST	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. C	SEQUENTIAL TEST	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4701

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1

(Cont'd.)

NOTES

1. The Okonite 600V power and control cables are qualified to IEEE Std. 383-74, 323-74, and the NUREG-0588 Cat. I.

2. Beta radiation has been addressed. See DCN-0162111, dated 3/24/82 and DCN-0163305, dated 4/9/82.

5D-27

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
C. Franklin Institute, Qualification Tests of Electrical Cables Under Simultaneous Exposure of Gamma Radiation, Steam and Chemical Spray, F-C3694, January 1974, V.P. #8856-E1308-5-4.	3. SSES LOCA Event Profile: a) 0 - 45 sec. 44 psig 340°F 100% R.H. b) 45 sec. - 3 hrs. 35 psig 340°F 100% R.H. c) 3 hrs. - 6 hrs. 25 psig 320°F 100% R.H. d) 6 hrs. - 24 hrs. 20 psig 250°F 100% R.H. e) 24 hrs. - 100 days 10 psig 200°F 100% R.H. 4. Vendor's Test Profile: a) 6 hrs. 113 psig 346°F 100% R.H. b) 3 hrs. 95 psig 335°F 100% R.H. c) 4 hrs. 69 psig 315°F 100% R.H. d) 81 hrs. 28 psig 265°F 100% R.H. e) 100 days 0 psig 212°F 100% R.H.

EQDF: #13
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, INSTRUMENT

MANUFACTURER: SAMUEL MOORE

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
N07	7/C #16AWG	GUE	C2b
N09	9/C #16AWG	GUE	C2b
N12	12/C #16AWG	GUE	C2b
Q11	1 pr ch-A1+11C#20AWG	GUE	C2b
Q12	48/C #20AWG	GUE	C2b
Q14	1 pr #16AWG	GUE	C2b
Q15	3/C #20AWG	GUE	C2b
Q16	5/C #20AWG	GUE	C2b
Q17	9/C #20AWG	GUE	C2b
Q18	12/C #20AWG	GUE	C2b
Q20	27/C #20AWG	GUE	C2b
Q22	14/C #16AWG	GUE	C2b
Q23	37/C #16AWG	GUE	C2b
Q24	1 pr #16AWG	GUE	C2b
Q25	2 pr #16AWG	GUE	C2b
Q26	3 pr #16AWG	GUE	C2b
Q27	7 pr #16AWG	GUE	C2b
Q28	1 TST #16AWG	GUE	C2b
Q29	3 TST #16AWG	GUE	C2b
Q30	1QUAD. #16AWG	GUE	C2b
TQ1	1 pr #20AWG	GUE	C2b
TQ4	12 pr #20AWG	GUE	C2b
TQ5	1 pr #16AWG	GUE	C2b
TQ6	12 pr #16AWG	GUE	C2b
TQ7	1 pr #20AWG	GUE	C2b
TQ8	1 pr #20AWG	GUE	C2b
TQ9	1 pr #16AWG	GUE	C2b

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 13

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: Instrument Cable MANUFACTURER: Samuel Moore Operations Eaton Corporation MODEL NUMBER: PURCHASE ORDER NO.: E-131A FUNCTION/SERVICE: Transmit Electrical Power ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. 705'-8" ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. E & B	REF. C & D	SIMULTA-NEOUS TEST	NONE
	TEMPERATURE (°F)	NOR: 150° (MAX) SEE NOTE 5 ACC: SEE NOTE 2	NOR: 150° ACC: See Note 3	REF. A	REF. C & D	"	"
	PRESSURE (PSIA)	NOR: 16.2 ACC: NOTE 2	NOR: N/A ACC: See Note 3	REF. A	REF. C & D	"	"
	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	NOR: N/A ACC: 100	REF. A	REF. C & D	"	"
	CHEMICAL SPRAY	N/A	$H_3BO_3+Na_2S_2O_3$ buffered w/ NaOH	N/A	REF. D	N/A	"
	RADIATION (RAD) TID GAMMA BETA	NOR: 1.4 E07 ACC: 8.4 E07 ACC: 1.9E09	TOTAL: 2.0 E08 See Note 4	REF. A	REF. C & D	SEQUENTIAL TEST	"
	AGING	40 YEARS	40 YEARS	REF. B	REF. C & D	"	"
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

4508

145744

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b.1	1. These cables are qualified to IEEE Std. 383-74 and 323-74 and NUREG-0588 Category I. The synergistic effects have been addressed. See DCN 0146593.

5D-30

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

C. Samuel Moore letter February 1, 1980, DCN 114880, V.P. #8856-E131A-52-1.

D. Isomedix Inc., Qual. Test of Electric Cables under a simulated LOCA/DBE by Sequential Exposure to Environments of Radiation, Thermal Aging, Steam and Chemical Spray, June 1978, V.P. #8856-E131A-53-1.

NOTES (CONT.)

2. Profile from Ref. A

Time	psig	°F	R.H.%
0-45s	44	340	100
45s-3hr	35	340	100
3-6hrs	35	320	100
6-24hrs	20	250	100
24hr-100d	10	200	100

3. Test Profile

0-3 hrs	105	340	100
3-5 hrs	0	240	100
5-8 hrs	105	340	100
8-11 hrs	75	320	100
11-15 hrs	55	300	100
15-96 hrs	15	250	100
96 hrs-100 days	10	200	100

4. Beta radiation has been addressed. See vendors letter DCN 0163254, dated 4-1-82.

5. The cables used in area C2c will see 185°F temp. for 30 minutes after every scram and 320 scrams (300 normal scram + 20 multiple scrams) are expected during 40 years of life. (Ref. GB-81-120). So 185°F temp. will occur only for 160 hrs. Conservatively, say 200 hrs. The rest of the time the temp. will be 90°F.

Cable reports show that during LOCA exposure, cables were exposed to higher temp. than specification required. Using Arrhenius plots, qualification can be extended to include more than 1000 hrs. @ 185°F in addition to specification requirements.

EQDF: #14
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, SPECIALTY

MANUFACTURER: RAYCHEM

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Q01	10567, REV. C & D	GUE	C2C
Q02	10566, REV. A & C	GUE	C2C
Q03	7521D3330, REV. E	GUE	*
Q05	9324D1017, REV. B	GUE	*
Q06	9118D0331, REV. B	GUE	*
Q07	7523D1330, REV. D	GUE	*
Q08	10568, REV. D	GUE	C2C
Q09	10483, REV. D & H	GUE	C2C
Q31	5012G1339, REV. C	GUE	*

* These cables are located in areas outside the primary containment and in areas which are not subject to HELB conditions.

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 14
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM: General Use Electrical Equipment

PLANT I.D. NO.:

COMPONENT: Specialty Cable

MANUFACTURER: Raychem

MODEL NUMBER:

PURCHASE ORDER NO.: E131BC

FUNCTION/SERVICE: Transmit Electrical Signals

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV.: N/A

ABOVE FLOOD LEVEL: YES X NO

4995

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. E & B	REF. C	SIMULTA-NEOUS TEST	NONE
TEMPERATURE (°F)	NOR: NOTE 4 ACC: NOTE 2	NOR: 194°F MAX: NOTE 3	REF. A	REF. C	"	"
PRESSURE	NOR: 16.2 ACC: NOTE 2	NOR: N/A MAX: NOTE 3	REF. A	REF. C	"	"
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	NOR: N/A MAX: 100	REF. A	REF. C	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NOR: 3.4E06 ACC: 7.5E07 ACC: 9.5E07	T.I.D: 2 E08	REF. A	REF. C	SIMULTA-NEOUS TEST	"
AGING	40 YEARS	40 YEARS	REF. B	REF. C & D	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

467454

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1
C. Raychem Flamtrol Qualification to IEEE Std. 383, March 3, 1977, V.P. 8856-E-131 BC-17-2.

NOTES

1. Qualified to NUREG-0588 Category I.

(Cont'd.)

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

D. Raychem Letters, DC #160391, dated 3-6-81 and DC #162966, dated 4-6-82.

E. Bechtel Technical Specification 8856-E-131

NOTES (CONT.)

2. Environment:

From FSAR Table 3.11.6 (Ref. A)

Time	Temp. °F	Press. psig	R.H.%
0-45 sec.	340	44	100
45 sec.-3 hrs.	340	35	100
3 hrs.-6 hrs.	320	35	100
6 hrs.-24 hrs.	250	20	100
24 hrs.-100 days	200	10	100

3. From FIRL Report F-C4033-1 (Ref. C)

Time	Temp. °F	Press. psig	R.H.%
0-25 sec.	280	70	100
25 sec.-5 min.	357	70+	100
5 min.-10 hrs.	357	70+	100
10 hrs.-4 days	275	31	100
4 days-30 days	212	10	100
30 days-1 year	200	10	100

4. The cables used in Area C2c will see 185°F temp. for 30 min. after scram for 320 scrams (300 normal scrams + 20 multiple scrams) are expected during 40 years of life (Ref. GB-81-120). So 185°F temp. will occur only for 160 hrs. Conservatively, say 200 hrs. The rest of the time the temperature will be 90°F. Cable reports show that during LOCA exposure cables were exposed to higher temp. than specific required.

EQDF: #15
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, SPECIALTY

MANUFACTURER: ROCKBESTOS

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
X09	RSS-6-105	GUE	*

* Rockbestos Cables are locates outside the primary containment.

\- X09 only used on Unit 1 & Common.

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 15
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: General Use Electrical Equipment	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B & C	REF. D	TYPE TEST	NONE
PLANT I.D. NO.:	TEMPERATURE (°F)	NOR: See ACC: NOTE #2	Note 3	REF. A	REF. D & E	"	"
COMPONENT: Specialty Cable	PRESSURE	NOR: 14.7 ACC: 14.7	Note 3	REF. A	REF. D	"	"
MANUFACTURER: Rockbestos	RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	Note 3	REF. A	"	"	"
MODEL NUMBER:	CHEMICAL SPRAY	N/A	Note 4	N/A	"	"	"
PURCHASE ORDER NO.: E-133AC	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC:7.5E07 ACC:1.1E06	2.0E08 Note 5	REF. A	"	"	"
FUNCTION/SERVICE: Transmit Electrical Signals	AGING	40 YEARS	40 YEARS	REF. B	"	"	"
ACCURACY: SPEC: N/A DEMO: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"
LOCATION: AREA: ELEV.: ROOM:							
FLOOD LEVEL ELEV.							
ABOVE FLOOD LEVEL?: YES: X NO:							

4832

153161

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b-1 C. Technical Specification 8856-E-133AC D. Rockbestos Test Report dated March 15, 1979 V/P #8856-E133-11-2	1. Qualified to NUREG-0588 Category I.

5D-36

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

E. Rockbestos Telex dated Sept. 11, 1981, in Section 6.0 of this binder.

NOTES (CONT.)

2) The most severe environment these cables would be subjected to in areas outside the primary containment is as follows:

Radiation: T.I.D. 7.5×10^7 rads (Gamma) &
T.I.D. 1.1×10^6 rads (Beta)

Temperature: Maximum Normal - 130°F
Accident - 300°F for 60 sec.
130°F for 100 days.

3) Environment Profile:
Cables are qualified to:

	Time	Temp°F	Press psig	RH %	Remark
Normal	Continuous	167 (75°C)	Atmos	100	
Accident (100 days)	0- -3 hrs.	340	104	100	Ramp from 140°F-340°F
	3 hrs-6 hrs	340	104	100	
	6 hrs-24 hrs	250	15	100	3 Steps
	24 hrs-395 days	200	0	100	1 Step

4) Spray for first 24 hours at rate of 0.15 gpm per square foot of spray area with solution of the following composition:
0.28 molar H_3BO_3 (3000 ppm boron)
0.064 molar $Na_2S_2O_3$
NaOH to make pH between 9-11 at 77°F

5) Tested 2.0×10^8 rads gamma radiation exceeds the FSAR total effective beta-gamma dose (7.61×10^7 rads).

EQDF NO: 15B
DATE: 2/25/83
REV: 4

COMPONENT: SPECIALTY CABLE

MANUFACTURER: ROCKBESTOS

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
X01	RSS-6-116	GUE	C2c, 31
X02	RSS-6-110A	GUE	C2c, 31
X03	RSS-6-207	GUE	Outside Cont.
X06	RSS-6-112	GUE	Outside Cont.
X07	RSS-6-204	GUE	Outside Cont.
X08	RSS-6-104	GUE	C2c, 31
X09	RSS-6-105	GUE	Outside Cont.
X31	RSS-6-101	GUE	Outside Cont.

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 2

EQDF NO. 15B

COMPONENT SHEET NO: 1 of 3

REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B & C	REF. D,E,G, H & I	ANALYSIS & TEST DATA	NONE
COMPONENT: SPECIALTY CABLE	TEMPERATURE (°F)	NOR: 90° SEE NOTE 5 ACC: NOTE 2	NOR: 150 ACC: NOTE 3&5	REF. A	REF. D,E, G,H & I	"	"
MANUFACTURER: ROCKBESTOS MODEL NUMBER:	PRESSURE (psia)	NOR: 16.2 ACC: NOTE 2	NOR: N/A MAX: NOTE 3	REF. A	REF. D,E, G,H & I	"	"
PURCHASE ORDER NO.: E-133AC	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	NOR: N/A MAX: 100	REF. A	REF. D,E,G, H & I	"	"
FUNCTION/SERVICE: TRANSMIT ELECTRICAL SIGNALS	CHEMICAL SPRAY	N/A	NOTE 4	N/A	REF. D,E,G, & H	"	"
ACCURACY: SPEC: N/A DEMO: N/A	RADIATION (RAD) TID GAMMA BETA	NOR: 3.4E06 ACC: 4.0E07 ACC: 1.43E09	2.0E08 (GAMMA) NOTE 6	REF. A	REF. D,E, G & H	"	"
LOCATION: AREA: ELEV: ROOM:	AGING	40 YEARS	40 YEARS	REF. B	REF. D,E,G, & H	"	"
FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

077162

4023

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b-1 C. Technical Specification 8856-E-133 D. Rockbestos Test Report #2806 V/P #8856-E-133-17.	1. Qualified to IEEE-383-1974, IEEE-323-1974 and NUREG-0588 Cat. 1. Only second generation cables, identified by Code 1081 stamped on the jacket are qualified for inside containment use.

5D-39

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

E. Rockbestos letter, dated Sept. 23, 1982. DCN #176755.

F. Rockbestos letter, dated April 6, 1982. DCN #163554.

G. Rockbestos Test Report, dated March 15, 1979, V/P #8856-E133-11-2.

H. Rockbestos Telex, dated September 11, 1981, in Section 6.0 of Blue Binder #15B.

I. Rockbestos letter, dated June 24, 1982. DCN #170756.

NOTES (CONT)

2. Environmental Profile from Ref. A (FSAR Table 3.11-6)

Time	Pressure psig	Temperature °F	R.H.(%)
0-45s	44	340	100
45s-3hrs	35	340	100
3-6hrs	35	320	100
6-24hrs	20	250	100
24hrs-100days	10	200	100

3. Environmental Profile:
Cables are qualified to:

	Time	Temp°F	Press psig	RH%	Remark
Normal	Continuous	150 (65°C)	Atmos	100	
Accident (100 Days)	0 -	340	104	100	
	- 3 hrs	340	104	100	Ramp
	3 hrs - 8 hrs	340	104	100	from
	8 hrs - 11 hrs	320	75	100	140°F-
	11 hrs - 15 hrs	300	52	100	340
	15 hrs - 4 days	250	15	100	3 steps
	4 days- 395 days	200	0	100	

4. Spray continuously for first 24 hours at rate of 0.15 gpm per square foot of spray area with solution of the following composition:

0.28 molar H_3BO_3 (3000 ppm boron)
0.064 molar $Na_2S_2O_3$
NaOH to make pH between 9-11 at 77°F

(Cont'd.)

EQUIPMENT QUALIFICATION REPORT

OWNER PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 2

EQDF NO. 15B
COMPONENT SHEET NO 3 of 3
REV 0 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	5. The cables used in area C2c will see 185°F temp. for 30 min. after scram and 320 scrams (300 normal scrams + 20 multiple scrams) are expected during 40 years of life (Ref. GB-81-120). So 185°F temp. will occur only for 160 hrs. Conservatively, say 200 hrs. the rest of the time the temperature will be 90°F. Cable reports show that during LOCA exposure cables were exposed to higher temp. than specified. Further, these cables are qualified for continuous service at 150°F for 40 years, which adequately compensate for thermal aging contributed by 200 hrs. of 185°F temperature. 6. Refer to Reference E for justification. A reduction factor of 10 can be applied to the beta dose due to 30 mils. of jacket and metallic shield on cables. Therefore, the total effective beta-gamma dose is equivalent to 1.83E08, which is less than the qualification TID of 2.0E08.

EQDF NO: 16A
DATE: 2/25/83
REV: 4

COMPONENT: PENETRATIONS, ELECTRICAL (LOW VOLTAGE)

MANUFACTURER: WESTINGHOUSE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1W100 A-D	MODULAR	GUE	C2e, 26
1W102 A, B	MODULAR	GUE	C2e, 26
1W103 A, B	MODULAR	GUE	C2e, 26
1W104 A-D	MODULAR	GUE	C2e, 26
1W105 A-D	MODULAR	GUE	C2e, 26
1W106 A-D	MODULAR	GUE	C2e, 26
1W107	MODULAR	GUE	C2e, 26
1W108	MODULAR	GUE	C2e, 26
1W300	MODULAR	GUE	C3, 26
1W301	MODULAR	GUE	C3, 26
1W330B	MODULAR	GUE	C3, 26

UNIT II

2W100 A-D	MODULAR	GUE	C2e, 31
2W102 A, B	MODULAR	GUE	C2e, 31
2W103 A, B	MODULAR	GUE	C2e, 31
2W104 A-D	MODULAR	GUE	C2e, 31
2W105 A-D	MODULAR	GUE	C2e, 31
2W106 A-D	MODULAR	GUE	C2e, 31
2W107	MODULAR	GUE	C2e, 31
2W108	MODULAR	GUE	C2e, 31
2W300	MODULAR	GUE	C3, 31
2W301	MODULAR	GUE	C3, 31
2W330B	MODULAR	GUE	C3, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 16A
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM: General Use Electrical Equip.

PLANT I.D. NO.:

COMPONENT: Electrical Cable Penetration(low voltage)

MANUFACTURER: Westinghouse

MODEL NUMBER:

PURCHASE ORDER NO.: E-135

FUNCTION/SERVICE: Transmit Electricity

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV.: 705'-8"

ABOVE FLOOD LEVEL?: YES-X NO

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	TEST & ENG ANALYSIS	NONE
TEMPERATURE (°F)	NORMAL: 135 ACC: Note 3	NORMAL: 158 ACCID: Note 5	REF. A & D	REF. C	TEST & ENG ANALYSIS	NONE
PRESSURE	NOR: .1 to 1.5 ACC: NOTE 3	NOR: ATMOS ACC: Note 5	REF. A	REF. C	TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	NOR: 95 ACC: 100	REF. A	REF. C	TEST	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 1.1E06 ACC: Note 4	1.1E08	REF. A	REF. C	TEST	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. C	TEST & ENG ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4999

200770

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR para. 3.11-2b-1

(Cont'd.)

NOTES

1. Qualified to NUREG-0588 Category II.

5D-43

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 16A
COMPONENT SHEET NO 2 of 2
REV 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

C. The Qualification of a Modular Type Electric Penetration Following the Requirements of IEEE Standard #317-1972 and IEEE Standard #323-1971 and NUREG-0588 Category II. (W) Report (Bechtel V/P #8856-E135-222). NTS Report (Bechtel V/P #8856-E409-7).

D. Technical Specification 8856-E135.

NOTES (CONT.)

2. Accident Conditions (FSAR)

a)	0-45 sec.	44 psig	340°F
b)	45 sec.-3 hrs.	35	340°F
c)	3 hrs.-6 hrs.	35	320°F
d)	6 hrs.-24 hrs.	20	250°F
e)	24 hrs.-100 days	10	200°F

3. For penetrations 1W103A, B, 1W104A-D, 1W105A-D, 1W105A-B, 1W107 and 1W108, the total radiation dose consists of:

Beta - 7.4×10^8 Rads Airborne, 6.9×10^8 Rads Plateout
Gamma - 2.7×10^7 Rads

For penetrations 1W100A through 1W100D, the total radiation dose for the Amphenol Connectors used in the Neutron Monitoring system wiring is:

Beta - 3.35×10^8 Rads
Gamma - 2.11×10^7 Rads

For penetrations 1W300, 1W301, 1W102A, B and 1W330B, the total radiation dose consists of:

Beta - 7.4×10^8 Rads Airborne, 6.9×10^8 Rads Plateout
Gamma - 1.8×10^7 Rads

4. Accident Conditions (Qualification)

a)	0-0.5 hrs.	104 psig	337°F
b)	0.5-3.5 hrs.	108 psig	340°F
c)	3.5-6.5 hrs.	75 psig	328°F
d)	6.5-26 hrs.	75 psig	328°F
e)	26-31 days	12 psig	233°F

(MG/P18-17)

EQDF: #16B
Date: 2/25/83
Rev. 4

COMPONENT: PENETRATION, ELECTRICAL (MEDIUM VOLTAGE)

MANUFACTURER: WESTINGHOUSE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1W101 A-F	Cannister	GUE	C2e, 26

UNIT II

2W101 A-F	Cannister	GUE	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 16B
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO:
COMPONENT: Electrical Cable Penetration
MANUFACTURER: Westinghouse
MODEL NUMBER: Medium Voltage Canister
PURCHASE ORDER NO.: E-135
FUNCTION/SERVICE: Transmit Electricity
ACCURACY: SPEC: N/A
DEMO:
LOCATION: AREA
ELEV.
ROOM:
FLOOD LEVEL ELEV: 705'-8"
ABOVE FLOOD LEVEL? YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	ENG. ANALYSIS	NONE
TEMPERATURE (°F)	NOR: 135 ACC: NOTE 3	NOR: 150 ACC: NOTE 4	REF. A & D	REF. C	ENG. ANALYSIS & TEST	NONE
PRESSURE	NOR: .1 to 1.5 ACC: NOTE 3	NOR: ATMOS. ACC: NOTE 4	REF. A	REF. C	TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 90/20 ACC: 100	NOR: NOTE 2 ACC: 100	REF. A	REF. C	TEST	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 1.1E06 ACC: 1.9E09 ACC: 7.1E07	(NOTE 2) 1.1E011	REF. A	REF. C	ENG. ANALYSIS	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. C	ENG. ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4652

097630

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b/1

(Cont'd.)

NOTES

1. QUALIFIED to NUREG-0588, Category II.
2. Ceramic seal is the only material which will affect pressure boundary. This material is stated to have a radiation threshold of 10^{11} Rads. Relative humidity has no effect on the ceramic material.

5D-46

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 16B
COMPONENT SHEET NO 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

C. The qualification tests for 5kV medium voltage Electric Penetration follow the requirements of IEEE Standard #317-1972, IEEE Standard #323-1971 and NUREG-0588, Cat. II. (W) report (Bechtel V/P *8856-E-135-224).

D. Technical Specification 8856-E-135.

NOTES (CONT.)

3. Accident Conditions (FSAR)

a)	0-45 sec.	44 psig	340°F
b)	45 sec. - 3 hrs.	35	340°F
c)	3 hrs. - 6 hrs.	35	320°F
d)	6 hrs. - 24 hrs.	20	250°F
e)	24 hrs. - 100 days	10	200°F

4. Accident conditions (qualification)

a)	0-6 hrs.	105 psig	340°F
b)	6 hrs. - 7 hrs.	75 psig	320°F
c)	7 hrs. - 18.5 hrs. *	53 psig	300°F
d)	18.5 hrs. - 24 hrs. *	29 psig	273°F

*The post LOCA profile may be equated to 100 days using Arrhenius accelerated aging. See V.P. E-135-224-3, paragraph 6.4.1.3.

5D-47

(MG/P18-17)

EQDF: #17
Date: 2/25/83
Rev. 4

COMPONENT: TRANSFORMER, INSTRUMENT A C

MANUFACTURER: FEDERAL PACIFIC ELECTRIC CO.

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1X216	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1M, 27
1X226	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1M, 28
1X236	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1K, 29
1X246	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1K, 28

UNIT II

2X216	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1M, 32
2X226	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1M, 33
2X236	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1K, 34
2X246	TYPE "FH" DRY-TYPE, CLASS AA	SACP	R1K, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 17
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C & E	COMPARISON TEST BY SIMILARITY	NONE
COMPONENT: Instrument Transformer	TEMPERATURE (°F)	NORMAL: 100 ACCIDENT: 104	104 122	REF. A	REF. E & G	ENGINEERING ANALYSIS	NONE
MANUFACTURER: Federal Pacific Electric Co.	PRESSURE Inches W.G.	NORMAL: -.25 ACCIDENT: -.25	-.25	REF. A	REF. D	ENGINEERING ANALYSIS	NONE
MODEL NUMBER: PURCHASE ORDER NO.: E-136	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 100	100 100	REF. A	REF. F	SEQUENTIAL TEST	NONE
FUNCTION/SERVICE: Power Distribution	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
ACCURACY: SPEC: N/A DEMO: N/A	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	1.15E06	REF. A	REF. D	ENGINEERING ANALYSIS	NONE
LOCATION: AREA: ELEV: ROOM:	AGING	40 YEARS	13 YEARS NOTE 2	REF. B	REF. D	ENGINEERING ANALYSIS	NONE
FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES X NO	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

971239

920663

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Federal Pacific Inst., Operation & Maint. Manual, Bechtel V.P. #8856-E-136-8-1	1. Qualified to NUREG 0588 Cat. II. 2. Qualified life based on preventive maintenance program of Ref. D, Section 6.6.3.

5D-49

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 17
COMPONENT SHEET NO 2 of 2
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Qualification Report Bechtel V.P. TSA-8856-E-500-3-2. E. Cert. Transf. Test Report 48-1868, Bechtel V.P. No. 8856-E-136-7-2. F. Qualification Test Report IEEE-323, Bechtel V.P. No. 8856-E-136-11-4. G. Verification of the KVA Rating, Bechtel V.P. No. 8856-E-136-20-1.	

(MG/P18-17)

EQDF: #18
Date: 2/25/83
Rev. 4

COMPONENT: MG SET

MANUFACTURER: ENGINE POWER

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Motor/Generator 1S246/1G202	MOT. 150-480364321 GEN. 100-483361121	GUE	R1m, 27
1S247/1G203	MOT. 150-480364321 GEN. 100-483361121	GUE	R1k, 28

UNIT II

Motor/Generator 2S246/2G202	MOT. 150-480364321 GEN. 100-483361121	GUE	R1m, 32
2S247/2G203	MOT. 150-480364321 GEN. 100-483361121	GUE	R1k, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 18
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM: GENERAL USE ELECTRICAL EQUIPMENT USE

PLANT I.D. NO.

COMPONENT: MOTOR AND GENERATOR SET

MANUFACTURER: KATO ENGINEERING
SUPPLIER: ENGINE POWER

MODEL NUMBER:

PURCHASE ORDER NO: E-151

FUNCTION/SERVICE: PROVIDE AC AC POWER FOR ISO VALVES

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.

ABOVE FLOOD LEVEL?: YES:X NO:

245503

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	NO LOAD: CONTINUOUS W/LOAD: 130 SEC.	NO LOAD: CONTINUOUS W/LOAD: 2 HRS.	REF. E & B G, H, I	REF. C, D F	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NORMAL: 100 ACCIDENT: 104	NORMAL: 104 ACCIDENT: 149	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
PRESSURE	NORMAL: -25" ACCIDENT:-.25"	ATMOS.	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	NORMAL: 100 ACC.: 90	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NORMAL: 8.8E02 ACC.: 1.5E04 ACC.: 4.3E05	TOTAL: 1.15E06 SEE NOTE 3	REF. A	REF. C, D, J	ANALYSIS	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. C & D	SEQUENTIAL TEST AND ANALYSIS	NOTE 2
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

612944

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1
C. Engine Power Co. Qualification Report 77-420, (Bechtel VP No. 8856-E-151-18-1)

NOTES

1. Qualified to NUREG-0588, Category II.
2. The bearings in both motor and generator shall be changed every 5-7 years in order to meet the aging requirement.
3. Evaluation for radiation sensitive materials in the MG set components indicates that in all cases the % ratio of threshold dose to TID dose of 1.15E06 is greater than 125.

5D-52

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 18
COMPONENT SHEET NO 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Wyle Lab. Qualification Plan No. 771302-1, (Bechtel V.P. No. 8856-E151-3-3) E. Spec. 8856-E-151, Section 6.0. F. Engine Power Co. Heat Run Test G. Bechtel Valve Spec. 8856-P-17, Data Sheet #2. H. Bechtel Valve Spec. 8856-P-12A-160-1 I. G.E. Valve Spec. 21A1A40. J. Wyle Lab Report No. TIR-57621, Bechtel VP #8856-E-151-27-2.	

(MG/P18-17)

EQDF: #18
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, MG CONTROL

MANUFACTURER: ENGINE POWER

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C246	RB-MG-CTL-CAB	GUE	R1m, 27
1C247	RB-MG-CTL-CAB	GUE	R1k, 28

UNIT II

2C246	RB-MG-CTL-CAB	GUE	R1m, 32
2C247	RB-MG-CTL-CAB	GUE	R1k, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 18
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: GENERAL USE ELECTRICAL EQUIPMENT PLANT I.D. NO. 1C246 COMPONENT: CONTROL PANEL (M-G SET) RTE DELTA MANUFACTURER: ENGINE POWER MODEL NUMBER: PURCHASE ORDER NO.: E151 FUNCTION/SERVICE: PROVIDE AC POWER FOR ISO VALVES ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. E & B	REF. C & D	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	NORMAL: 100 ACCIDENT:104	NORMAL: 104 ACCIDENT:149	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
	PRESSURE	NORMAL: -.25" ACCIDENT:-.25"	ATMOS.	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	NOR: 59%-100% ACC: 50%-100%	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORMAL 8.8E02 ACC: 4.9E04 ACC: 5.5E05	TOTAL: 1.15E06 SEE NOTE 2	REF. A	REF. C,D, F,G	SEQUENTIAL TEST AND ANALYSIS	NONE
	AGING	40 YEARS	NOR: 40 YEARS ACC: 100 DAYS LOCA	REF. B	REF. C & D	SEQUENTIAL TEST AND ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

4817

6482

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b.1 C. Engine Power Co. Qualification report 140-77-420, Bechtel V.P. No. 8856-E-151-18-1	1. Qualified to NUREG-0588, Category II.

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Wyle Lab. Plan No. 771302-1, Bechtel VP No. 8856-E151-3-3). E. Spec. 8856-E-151 Section 6.0 F. Wyle Lab. Report No. TIR-57621 Bechtel V.P. #8856-E-151-27-2 G. Basler Report Bechtel V.P. #8856-E-151-28-1	2. Westinghouse relays COV-9, CV-4, and CF-1 are enclosed in FT21 gasketed enclosure. They have the following dimensions: W type COV-9 relay 6.375"W x 10.438"H x 7.657" deep W type CV-4 relay 6.375"W x 7.250"H x 7.657" deep W type CF-1 relay 6-3/8"W x 10-7/16"H x 7-21/32" deep (See literature in Section 6.9) The total dose in FSAR is given as 1.15E06 rads (4.9E04 Gamma and 1.1E06 Beta). Using semi-infinite model, Beta dose will be reduced to 1/2 the FSAR value, i.e., 5.5E05 rads. So the total dose outside the enclosure will be 5.99E05 rads (4.9E04 Gamma + 5.5E05 Beta). Due to the fact that the components sensitive to Beta radiation are enclosed in the case which is gasketed, they will not be affected by Beta radiation. The gasketed case will provide adequate shielding against Beta radiation. Since threshold value of the sensitive components of the relay which performs functions is 5×10^5 and gamma radiation is only 4.9E04 rads, the above relays are considered qualified.

EQDF: #19
Date: 2/25/83
Rev. 4

COMPONENT: SWITCH, AUTOMATIC TRANSFER

MANUFACTURER: RUSS ELECTRIC INC.

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1ATS 219	RMT 4004CEF	GUE	R1m, 27
1ATS 229	RMT 4004CEF	GUE	R1k, 25

UNIT II

2ATS 219	RMT 4004CEF	GUE	R1m, 32
2ATS 229	RMT 4004CEF	GUE	R1k, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 19
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: Automatic Transfer Switch MANUFACTURER: Russ Electric Inc. MODEL NUMBER: PURCHASE ORDER NO.: E-152 FUNCTION/SERVICE: AC Power Transfer ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D & E	SEQUENTIAL TEST & ANALYSIS	NONE
	TEMPERATURE (°F)	NORMAL: 100 ACCIDENT: 104	104 122	REF. A	REF. D & E	SEQUENTIAL TEST & ANALYSIS	NONE
	PRESSURE Inches W.G.	NORMAL: -.25 ACCIDENT: -.25	ATMOS.	REF. A	REF. D & E	SEQUENTIAL TEST & ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	SEE NOTE 3	REF. A	REF. D & E	OPERATING EXPERIENCE	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	1E05 SEE NOTE 2	REF. A	REF. D & E	SEQUENTIAL TEST & ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS + 100 DAYS ACCIDENT SEE NOTE 4	REF. B	REF. D & E	SEQUENTIAL TEST & ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

908683

629658

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel Spec. 8856-E-152, Sect. 9.2.1 D. Environmental Test Report, Bechtel V.P. No. 8856-E-152-12-1.	1) Equipment is qualified to NUREG-0588, Category II. 2) Beta radiation will not affect the auto transfer switches. Refer to Para. 4.1.2, Ref. E.

5D-58

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 19
COMPONENT SHEET NO 2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. Environmental Qual. Report, Bechtel Bechtel V.P. No. 8856-E-152-19(1)-3 8856-E-152-19(2)-3	3. Humidity will be reduced due to 10°F temperature rise due to self heating and space heaters inside the enclosure. Periodic inspection of space heater and replacement of space heater after 30,000 hrs. of operations, and 10°F temp. rise due to self heating satisfies humidity qualification. 4. Qualification life is based on periodic maintenance and replacement defined in Table 4.4 of Reference E .

(MG/P18-17)

EQDF: #20
Date: 2/25/83
Rev. 4

COMPONENT: RELAY, TIMING

MANUFACTURER: AGASTAT

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Panel No. 0C876A			
62HSX-07811A	E7012AD	GUE	CS4, 21
62X-20310	E7012AF	GUE	CS4, 21
62FSLX-07811A	E7014AD	GUE	CS4, 21
62TDSHLX-07811A	E7014AF	GUE	CS4, 21
620F125A	E7012ABL	GUE	CS4, 21
Panel No. 0C876B			
62HSX-07811B	E7012AD	GUE	CS4, 21
62XZ-20410	E7012AF	GUE	CS4, 21
62FSLX-07811B	E7014AD	GUE	CS4, 21
62TDSHLX-07811B	E7014AF	GUE	CS4, 21
620F125B	E7012ABL	GUE	CS4, 21
Panel No. 0C883A			
62FX-07551A	E7012AD	GUE	CS4, 21
62FDX-07551A2	E7012AD	GUE	CS4, 21
62PDSL-07550A	E7012AD	GUE	CS4, 21
62ZSX-07553A	E7012AD	GUE	CS4, 21
62TDSLX-07552A	E7012AE	GUE	CS4, 21
62XY-07553A	E7012AF	GUE	CS4, 21

EQDF NO: 20
DATE: 2/25/83
REV: 4

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Panel No. 0C883B			
62FX-07551V	E7012AD	GUE	CS4, 21
62FDX-07551B2	E7012AD	GUE	CS4, 21
62PDSL-07550B	E7012AD	GUE	CS4, 21
62ZSX-07553B	E7012AD	GUE	CS4, 21
62TDSLX-07552B	E7012AE	GUE	CS4, 21
62XY-07553B	E7012AF	GUE	CS4, 21
	UNIT I		
Panel No. 1B236			
621B236042	E7012ADL	GUE	R1k, 29
621B236032	E7012ADL	GUE	R1k, 29
621B236011	E7012ADL	GUE	R1k, 29
621B236033	E7012ADL	GUE	R1k, 29
621B236082	E7012ADL	GUE	R1k, 29
621B236043	E7012ADL	GUE	R1k, 29
621B236021	E7012ADL	GUE	R1k, 29
Panel No. 1B246			
621B246091	E7012ADL	GUE	R1k, 28
621B246103	E7012ADL	GUE	R1k, 28
621B246102	E7012ADL	GUE	R1k, 28
621B246061	E7012ADL	GUE	R1k, 28
621B246072	E7012ADL	GUE	R1k, 28
621B246081	E7012ADL	GUE	R1k, 28
621B246051	E7012ADL	GUE	R1k, 28

COMPONENT: RELAY, TIMING

MANUFACTURER: AGASTAT

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Panel No. 2B236			
622B236042	E7012ADL	GUE	R1k, 34
622B236032	E7012ADL	GUE	R1k, 34
622B236011	E7012ADL	GUE	R1k, 34
622B236033	E7012ADL	GUE	R1k, 34
622B236082	E7012ADL	GUE	R1k, 34
622B236043	E7012ADL	GUE	R1k, 34
622B236021	E7012ADL	GUE	R1k, 34
Panel No. 2B246			
622B246091	E7012ADL	GUE	R1k, 33
622B246103	E7012ADL	GUE	R1k, 33
622B246102	E7012ADL	GUE	R1k, 33
622B246061	E7012ADL	GUE	R1k, 33
622B246072	E7012ADL	GUE	R1k, 33
622B246081	E7012ADL	GUE	R1k, 33
622B246051	E7012ADL	GUE	R1k, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 20
COMPONENT SHEET NO: 1 of 2
REV. 1 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
AGASTAT TIMING RELAYS
MANUFACTURER:
AGASTAT
MODEL NUMBER:
PURCHASE ORDER NO.:
E-158
FUNCTION/SERVICE:
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV. N/A
ABOVE FLOOD LEVEL?: YES:X NO:

2970

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C & D	SEQUENTIAL TESTING	NONE
TEMPERATURE (°F)	NOR: 104 ACC: 104	MAX/MIN:104/70 MAX/MIN:156/40	REF. A	REF. C & D	SEQUENTIAL TESTING	NONE
PRESSURE INCH WG	NOR: +.125 ACC: +.125	ATMOSPHERIC	REF. A	REF. C & D	SEQUENTIAL TESTING	NONE
RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	MAX/MIN:60/40 MAX/MIN:95/10 NOTE 2	REF. A	REF. C & D	SEQUENTIAL TESTING	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	2.0E05 NOTE 3	REF. A	REF. C, D & E	SEQUENTIAL TESTING	NONE
AGING	40 YEARS	10 YRS. OR 25,000 OPERATIONS	REF. B	REF. C & D	SEQUENTIAL TESTING	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

3976

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1
C. Amerace Report #ES-1000, Bechtel V/P #8856-E-158-1-1.
D. Wyle Report, Bechtel V/P #8856-E-158-2-1

NOTES

1. The equipment is qualified to NUREG-0588 Cat. II requirements.
2. Humidity will be reduced to less than 95% due to the fact that equipment is mounted inside the panel and panel heat rise.
3. Agastat Relays E7000 have been qualified to less radiation values than given in FSAR (Ref. A). The Beta reduction has (Cont'd.)

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 20
COMPONENT SHEET NO 2 of 2
REV 1 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. W Report, Bechtel V/P #8856-E-109D-4-3.	been addressed in Ref. D, Item 183. The relays have been qualified by considering appropriate Beta reduction.

(MG/P18-17)

EQDF: #21
Date: 2/25/83
Rev. 4

COMPONENT: CABLE, 600V POWER & CONTROL

MANUFACTURER: B I W

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
Z02	2/C #14-600V	GUE	*
Z03	3/C #14-600V	GUE	*
Z05	5/C #14-600V	GUE	*
Z07	7/C #14-600V	GUE	*
Z12	12/C #14-600V	GUE	*
Z13	3/C #10-600V	GUE	*
Z83	3/C #8-600V	GUE	*
Z61	1/C #6-600V	GUE	*
Z63	3/C #6-600V	GUE	*

* Cables are located inside containment except in C2c.

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 21
COMPONENT SHEET NO: 1 of 3
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: 600 V Power & Control Cable MANUFACTURER: Boston Insulated Wire & Cable Co. MODEL NUMBER: PURCHASE ORDER NO.: E-401 FUNCTION/SERVICE: Power Distr. & Control ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: - ELEV: ROOM: FLOOD LEVEL ELEV.: 705'-8" ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS (40 YEARS)	CONTINUOUS (40 YEARS)	REF. B	REF. C	PROTOTYPE TEST	NONE
	TEMPERATURE (°F)	SEE NOTE 2	SEE NOTE 3	REF. A	"	"	"
	PRESSURE	"	"	"	"	"	"
	RELATIVE HUMIDITY (%)	"	"	"	"	"	"
	CHEMICAL SPRAY	N/A	SEE NOTE 5	N/A	N/A	"	"
	RADIATION (RAD) TID GAMMA BETA	SEE NOTE 2	SEE NOTE 3 & 4	REF. A	REF. C	"	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C	"	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4600

924676

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. BIW Report No. B915/Sept. 1981, V/P #8856-E401-3-2.	1. Qualified to NUREG-0588 Category I.

5D-66

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. Environment Profile

	Time	Temp°F	Psig	R.H.%	Radiation Gamma Rads	Radiation Beta Rads
Normal (Max)	Continuous	150	1.5	100	1.4E07 (TID)	-
Accident 100 days	0-45 sec.	340	44	100	8.4E07 (TID)	1.9E09 (TID)
	45-3 hrs. sec.	340	35	100		
	3-6 hrs.	320	35	100		
	6-24 hrs.	250	20	100		
	1-99 days	200	10	100		

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

3. Environment Profile
Cables are qualified to:

	Time	Temp°F	Press. Psig Atmos.	R.H.%	Radiation Gamma Rads	Radiation Beta Rads
Normal	Continuous	194 (90°C)				
	0-10 sec.	340	110	100	2.0E08	Data Not available
Accident	10S-3 hrs.	340	110	"	"	"
(100 days)	3-4 hrs.	165	0	"	"	"
	4-7 hrs.	340	110	"	"	"
	7-10 hrs.	320	85	"	"	"
(Refer to	10-14 hrs.	300	65	"	"	"
Fig. 7	14H-4 days	250	20	"	"	"
of	4-17 days	200	7	"	"	"
Test	17-45 days	200	7	"	"	"
Report	45-104 days	200	7	"	"	"
B-915/	104-144 days	167	7	"	"	"
Page 15)	144-161 days	167	7	"	"	"

4. The effect of 1.9×10^9 rads of beta radiation has been considered. All cables bought per M/R 8856-E-401 have at least 45 mils of outer jacket which provides only a mechanical protection. With a reduction factor of 2 by calculation based on a "semi-infinite cloud" and a reduction factor of 10 for the sacrifice of 30 mils of outer jacket, all cables of E-401 are within the test value of 2×10^8 rads (gamma) and qualified for both beta and gamma radiation per I.E. Bulletin 79-01B.

5. Cable sprayed with 0.28 Molar H_3BO_3 solution adjusted to pH of 10.5 with NaOH for first 24 hours and with mineral-free water thereafter through the first 30 days only.

EQDF: #22A
Date: 2/25/83
Rev. 4

COMPONENT: SWITCH, TRANSFER

MANUFACTURER: G.E.

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HSS-15110A	SB-1	GUE	R1p, 25
HSS-15111A	SB-1	GUE	R1p, 25
HSS-15112A	SB-1	GUE	R1p, 25
HSS-15113A	SB-1	GUE	R1p, 25
HSS-15114A	SB-1	GUE	R1p, 25
HSS-15115A	SB-1	GUE	R1p, 25
HSS-15116A	SB-1	GUE	R1p, 25
HSS-15117A	SB-1	GUE	R1p, 25
HSS-14901A	SB-1	GUE	R1p, 25
HSS-14902A	SB-1	GUE	R1p, 25
HSS-14903A	SB-1	GUE	R1p, 25
HSS-14904A	SB-1	GUE	R1p, 25
HSS-14905A	SB-1	GUE	R1p, 25
HSS-15111B	SB-1	GUE	R1p, 25
HSS-15112B	SB-1	GUE	R1p, 25
HSS-15113B	SB-1	GUE	R1p, 25
HSS-15114B	SB-1	GUE	R1p, 25
HSS-15115B	SB-1	GUE	R1p, 25
HSS-15116B	SB-1	GUE	R1p, 25
HSS-15117B	SB-1	GUE	R1p, 25
HSS-14902B	SB-1	GUE	R1p, 25
HSS-14903B	SB-1	GUE	R1p, 25

UNIT II

HSS-25110A	SB-1	GUE	R1p, 32
HSS-25111A	SB-1	GUE	R1p, 32
HSS-25112A	SB-1	GUE	R1p, 32
HSS-25113A	SB-1	GUE	R1p, 32
HSS-25114A	SB-1	GUE	R1p, 32
HSS-25115A	SB-1	GUE	R1p, 32
HSS-25116A	SB-1	GUE	R1p, 32
HSS-25117A	SB-1	GUE	R1p, 32
HSS-24901A	SB-1	GUE	R1p, 32
HSS-24902A	SB-1	GUE	R1p, 32
HSS-24903A	SB-1	GUE	R1p, 32
HSS-24904A	SB-1	GUE	R1p, 32
HSS-24905A	SB-1	GUE	R1p, 32
HSS-25111B	SB-1	GUE	R1p, 32
HSS-25112B	SB-1	GUE	R1p, 32
HSS-25113B	SB-1	GUE	R1p, 32
HSS-25114B	SB-1	GUE	R1p, 32
HSS-25115B	SB-1	GUE	R1p, 32
HSS-25116B	SB-1	GUE	R1p, 32
HSS-25117B	SB-1	GUE	R1p, 32
HSS-24902B	SB-1	GUE	R1p, 32
HSS-24903B	SB-1	GUE	R1p, 32

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 22A

COMPONENT SHEET NO: 1 of 2

REV: 1 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Remote Shutdown PLANT I.D. NO.: COMPONENT: Control Switch (SB-1) MANUFACTURER: General Electric MODEL NUMBER: PURCHASE ORDER NO.: E-155 FUNCTION/SERVICE: Transfer Switch ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. E	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM. 60 MAX. 109	131°F	REF. A	REF. D & E	ANALYSIS	NONE
	PRESSURE	NORM. - .25 MAX. - .30	ATMOS.	REF. A	REF. D & E	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORM. 90/10 MAX. 100	90% 100%	REF. A	REF. E	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORM. - 8.8E02 ACC. - 2.9E03 ACC. - 4.3E05	1.2E06	REF. A	REF. D & E	ANALYSIS	NONE
	AGING	40 YEARS	40 YRS/3300 OPERATIONS	REF. B	REF. D & E	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

3133

934727

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Spec. 8856-E155 Para. 5.0 D. Certificate of Conformance, Bechtel V/P #8856-E155-2-1. (Cont'd.)	1. Qualified to NUREG 0588 Cat. II. requirement.

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO.

UNIT 1 & 2

EQDF NO. 22A
COMPONENT SHEET NO. 2 of 2
REV. 1 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. NTS Analysis Report #528-0946, Bechtel V/P #8856-E-502-7-2 dated Sept. 20, 1982.	

(MG/P18-17)

EQDF: #22B
Date: 2/25/83
Rev. 4

COMPONENT: COMPONENT BOX

MANUFACTURER: COMSIP CUSTOMLINES

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1CB216A,B	NONE	RBCCW	R1m, 27
1CB218A,B	NONE	CAC	R1k, 28
1CB220A,B	NONE	CAC	R1k, 27

UNIT II

2CB216A,B	NONE	RBCCW	R1m, 32
2CB218A,B	NONE	CAC	R1k, 33
2CB220A,B	NONE	CAC	R1k, 32

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 22B

COMPONENT SHEET NO: 1 of 2

REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: Component Box MANUFACTURER: Comsip Customlines MODEL NUMBER: PURCHASE ORDER NO.: J-05AC FUNCTION/SERVICE: C.C.W. Hx A&B ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, F, G, & J	ANALYSIS	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	120 120	REF. A	REF. C, F, G, & J	ANALYSIS	NONE
	PRESSURE Inches W.G.	-.25	-.25	REF. A	REF, C, F, G, & J	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	100 100	REF. A	REF. C, F, G, & J	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	NONE	REF. A	NONE	NONE	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR:8.8E02 RADS ACC:1.5E04 RADS ACC:4.3E05 RADS	1.0E06	REF. A	REF. C, F, G, & J	ANALYSIS	NONE
	AGING	40 YEARS	NOTE 2	REF. B & E	REF. C, F, G, & J	ANALYSIS	NONE
	SUBMERGENCE	N/A	NONE	REF. D	NONE	NONE	NONE

447714

059553

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel Calculation J-88, Rev. 0 dated May 25, 1979 D. FSAR Section 3.6 E. Spec. 8856-J-05, Rev. 9, Para. 5.19	1. Qualified to NUREG-0588, Cat. II.

5D-73

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

OWNER. PP&L
FACILITY. SUSQUEHANNA
DOCKET NO.

EQDF NO. 22B
COMPONENT SHEET NO. 2 of 2
REV. 0 DATE. 2/25/83

DOCUMENTATION REFERENCES (CONT.)

F. Acton report #17263-82B, Bechtel V/P 8856-J5AC-207-3.

G. NTS report #528-0924, Bechtel V/P 8856-E-502-5-2.

H. Westinghouse report Bechtel V/P #TSA 8856-E-109D-4-3.

I. NTS report #548-9304, Bechtel V/P #8856-E-503-5-3.

J. NTS report #528-0946, Bechtel V/P #8856-E-502-7-2.

NOTES (CONT.)

2. These panels contain the following electrical devices:

	MFR.	MODEL NO.	QUALIFIED LIFE/ REPLACEMENT SCHEDULE	REF.
1.	GE	CR2940-UC212	40 Years	(J)
2.	BUCHANAN	0511/0521	35 Years	(F)
3.	OHMITE	4833	40 Years	(F)
4.	BUCHANAN	351	35 Years	(F)

(MG/P18-17)

EQDF: #22B
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, CONTROL (ESS)

MANUFACTURER: COMSIP

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C221	NONE	ESS	Rlm, 27
1C222	NONE	ESS	Rlm, 25

UNIT II

2C221	NONE	ESS	Rlm, 32
2C222	NONE	ESS	Rlm, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 22B
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: ESS PLANT I.D. NO.: COMPONENT: Control Panels MANUFACTURER: Comsip Customlines MODEL NUMBER: PURCHASE ORDER NO.: J-05AC FUNCTION/SERVICE: Containment Isolation Valves ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, F, G, J, & K	ANALYSIS	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	120 120	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	PRESSURE INCH WG	-.25	-.25	REF. A	REF. C, F G, J, & K	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	100 100	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	CHEMICAL SPRAY	NA	NONE	REF. A	NONE	NONE	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR:8.8E02 RADS ACC:1.5E04 RADS ACC:4.3E05 RADS	1.0E06	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	AGING	40 YEARS	NOTE 2	REF. B & E	REF. C, F, G, J, & K	ANALYSIS	NONE
	SUBMERGENCE	NA	NONE	REF. D	NONE	NONE	NONE

684916 3162

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel Calculation J-88, Rev. 0 dated May 25, 1979 D. FSAR Section 3.6 E. Spec. 8856-J-05, Rev. 9, Para. 5.19	1. Qualified to NUREG-0588, Cat. II. (Cont'd.)

5D-76

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 22B
COMPONENT SHEET NO. 2 of 2
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

F. Acton report #17263-82B, Bechtel V.P. #8856-J5AC-207-3.

G. NTS Report 528-0924, Bechtel V/P #8856-E-502-5-2.

H. Westinghouse report, Bechtel V/P #TSA-8856-E109D-4-3.

I. NTS Report #548-9304, Bechtel V/P #8856-E-503-5-3.

J. Summary of Qualification references for various devices for J05 and M-412. (See Section 5.0 of Binder #22B.

NOTES (CONT.)

2. This panel contains the following electrical devices:

	MFR	MODEL NO.	QUALIFIED LIFE/ REPLACEMENT SCHEDULE	REF.
1.	AGASTAT	GPI	25000 Operations/10 Years	(J)
2.	AGASTAT	GPD	25000 Operations/10 Years	(J)
3.	CINCH-JONES	5-140	35 Years	(F)
4.	CINCH-JONES	24-140	35 Years	(F)
5.	BUCHANNAN	351	35 Years	(F)
6.	AGASTAT	7022PC	25000 Operations/10 Years	(J)
7.	AGASTAT	7012PC	25000 Operations/10 Years	(J)
8.	AGASTAT	7012PCLL	25000 Operations/10 Years	(J)
9.	P&B	MDR 5062	35 Years	(J)
10.	AGASTAT	EGP	25000 Operations/30 Years	(G)

EQDF: #22B
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, CONTROL (LRW)

MANUFACTURER: COMSIP

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C209	NONE	LRW	R1k, 28

UNIT II

2C209	NONE	LRW	R1k, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 22B
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: LRW PLANT I.D. NO.: COMPONENT: Control Panels MANUFACTURER: Comsip Customlines MODEL NUMBER: PURCHASE ORDER NO.: J-05AC FUNCTION/SERVICE: Containment Isolation Valves ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, F, G, J, & K	ANALYSIS	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	120 120	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	PRESSURE INCH WG	-.25	-.25	REF. A	REF. C, F G, J, & K	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	100 100	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	CHEMICAL SPRAY	NA	NONE	REF. A	NONE	NONE	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR:8.8E02 RADS ACC:1.5E04 RADS ACC:4.3E05 RADS	1.0E06	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
	AGING	40 YEARS	NOTE 2	REF. B & E	REF. C, F, G, J, & K	ANALYSIS	NONE
	SUBMERGENCE	NA	NONE	REF. D	NONE	NONE	NONE

3162

684916

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel Calculation J-88, Rev. 0 dated May 25, 1979 D. FSAR Section 3.6 E. Spec. 8856-J-05, Rev. 9, Para. 5.19	1. Qualified to NUREG-0588, Cat. II. (Cont'd.)

5D-79

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO: 22B
COMPONENT SHEET NO. 2 of 2
REV. 4 DATE: 2/25/83

DOCUMENTATION REFERENCES (CONT.)

F. Acton report #17263-82B, Bechtel V/P #8856-J5AC-207-3.

G. NTS report #528-0924, Bechtel V/P #8856-E502-5-2.

H. Westinghouse report, Bechtel V/P #TSA 8856-E-109D-4-3.

I. NTS report #548-9304, Bechtel V/P #8856-E-503-5-3.

J. NTS report #528-0946, Bechtel V/P #8856-E-502-7-2.

K. Summary of Qualification References For Various Devices For J-05 & M-412. (See Section 5 of this binder.)

NOTES (CONT.)

2. This panel contains the following electrical devices:

	MFR.	MODEL NO.	QUALIFIED LIFE/ REPLACEMENT SCHEDULE	REF
1.	AGASTAT	GPI	25000 Operations/10 Yrs	(K)
2.	GE	CR120A02022AA	40 Years	(J)
3.	GE	CR2940-WA202B	40 Years	(J)
4.	GE	CR2940-UD212	40 Years	(J)
5.	BUCHANAN	0511/0521	35 Years	(F)
6.	BUCHANAN	351	35 Years	(F)
7.	AGASTAT	7012AD	25000 Operations/10 Yrs	(F)
8.	P & B	MDR4094	35 Years	(K)
9.	PRC RESISTOR	SM3726	40 Years	(F)
10.	C-H	DV28-7956-11	40 Years	(J)
11.	AGASTAT	EGP	25000 Operations/30 Yrs	(G)

5D-80

EQDF: #22B
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, CONTROL

MANUFACTURER: MAGNETICS

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C201 A&B	NONE	GUE	R1p, 25

UNIT II

2C201 A&B	NONE	GUE	R1p, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 22B
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, F, G, J, & K	ANALYSIS	NONE
COMPONENT: Control Panel	TEMPERATURE (°F)	NOR: 100 ACC: 109	120 120	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
MANUFACTURER: Magnetics Industrial Controls Div.	PRESSURE Inches W.G.	-.25	-.25	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
MODEL NUMBER:	RELATIVE HUMIDITY (%)	NORMAL: 90 ACCIDENT: 90	100 100	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
PURCHASE ORDER NO.: J-05B	CHEMICAL SPRAY	N/A	NONE	REF. A	NONE	NONE	NONE
FUNCTION/SERVICE: Remote Shutdown of NSSS	RADIATION (RAD) TID GAMMA BETA	NOR:8.8E02 RADS ACC:2.9E03 RADS ACC:4.3E05 RADS	1.0E06	REF. A	REF. C, F, G, J, & K	ANALYSIS	NONE
ACCURACY: SPEC: N/A DEMO: N/A	AGING	40 YEARS	NOTE 2	REF. B & E	REF. C, F, G, J, & K	ANALYSIS	NONE
LOCATION: AREA: ELEV: ROOM:	SUBMERGENCE	N/A.	NONE	REF. D	NONE	NONE	NONE
FLOOD ELEV.: N/A							
ABOVE FLOOD LEVEL?: YES: X NO:							

1986

448001

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Bechtel Calculation J-88, Rev. 0 dated May 25, 1979 D. FSAR Section 3.6 E. Spec. 8856-J-05, Rev. 9, Para. 5.19	1. Qualified to NUREG-0588, Cat. II. (Cont'd.)

5D-82

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

OWNER. PP&L
FACILITY. SUSQUEHANNA
DOCKET NO

EQDF NO. 22B
COMPONENT SHEET NO. 2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

F. Acton Report #17263-82B, Bechtel V/P #8856-J5AC-207-3.

G. NTS Report #528-0924, Bechtel V/P #8856-E-502-5-2.

H. Westinghouse Report, Bechtel V/P #TSA-8856-E109D-4-3.

I. NTS Report #548-9304, Bechtel V/P #8856-E-503-5-3.

J. NTS Report #528-0946, Bechtel V/P #8856-E-502-7-2.

K. Summary of Qualification References For Various Devices for J-05 and M-412. (See Section 5.0 of this binder.)

NOTES (CONT.)

2. This panel contains the following electrical devices:

	Mfr.	Model No.	Qualified Life/ Replacement Schedule	Ref.
1.	Agastat	GPI	25000 Operations/10 Years	(K)
2.	Agastat	GPB	25000 Operations/10 Years	(K)
3.	GE	ET6	35 Years	(F)
4.	GE	CR2940UB202A	40 Years	(J)
5.	GE	CR2940US203A	40 Years	(J)
6.	GE	CR2940US203E	40 Years	(J)
7.	GE	CR2940WA202B	40 Years	(J)
8.	GE	SB1	40 Years	(J)
9.	Buchanan	351	35 Years	(F)
10.	States	M2500	40 Years	(F)
11.	Ohmite	4833	40 Years	(F)
12.	Agastat	EGP	25000 Operations/30 Years	(G)

EQDF NO: 25
DATE: 2/25/83
REV: 4

COMPONENT: POWER SUPPLY HYDROGEN RECOMBINER

MANUFACTURER: WESTINGHOUSE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C-215A	SP-4070-1	CAC	R1n, 27-3
1C-215B	SP-4070-1	CAC	R1n, 28-3
1C-215C	SP-4070-1	CAC	R1k, 27-4
1C-215D	SP-4070-1	CAC	R1k, 25-4

UNIT II

2C-215A	SP-4070-1	CAC	R1m, 32
2C-215B	SP-4070-1	CAC	R1n, 33
2C-215C	SP-4070-1	CAC	R1k, 34
2C-215D	SP-4070-1	CAC	R1k, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 25

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:
73A CONTAINMENT ATMOSPHERE & CONTROL & RECOMBINER

PLANT I.D. NO.:
C-215A

COMPONENT:
CONTAINMENT HYDROGEN RECOMBINER POWER SUPPLY

MANUFACTURER:
WESTINGHOUSE

MODEL NUMBER:

PURCHASE ORDER NO.:
M-87

FUNCTION/SERVICE:
POST LOCAL HYDROGEN CONTROL

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.: N/A
ABOVE FLOOD LEVEL?: YES:X NO:

9292

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	TEST & ANALYSIS	NONE
TEMPERATURE (°F)	NORMAL: 100 ACC: 104	OPERATING RANGE: 135°-212°	REF. A	REF. C	TEST	NONE
PRESSURE	NORMAL: -.25"WG ACC: -.25"WG	ATMOS.	REF. A	REF. C	TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 90	OPERATING RANGE: 90-100	REF. A	REF. C	TEST	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	REF. C	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	5.0E06 TID	REF. A	REF. C	TEST & ANALYSIS	NONE
AGING	40 YEARS	NOTE 2	REF. B	REF. C	TEST & ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

8732

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b-1
(Cont'd.)

NOTES

1. Qualified to meet requirements of NUREG-0588, Cat. II.
2. The qualification of the power supply panel does not meet the strict interpretation of the aging requirements set forth in IEEE '323-1974. Westinghouse performed additional testing
(Cont'd.)

5D-05

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 25
COMPONENT SHEET NO 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
C. Westinghouse Report, WCAP-7709-L, Supplements, 1 through 7. V.P. No. 8856-M-87-23, 24, 25, 50, 51, 52, 53-3 Westinghouse Report SP-327 V.P. No. 8856-M87-57-1	2. (Cont'd.) on the power supply panel to ensure its capability to function properly when exposed to more severe conditions encountered in a BWR plant (see Report Section of the Blue Binder, Section 4.1, page 12 of 23, report no. SP-327). These tests consist of high temperature, high humidity and elevated temperature test for BWR application (See Report Section C, D, E of the Blue Binder, Section 4.1). According to Westinghouse letter (DCN #163742, see Section 6.2 of the Blue Binder), no replacement of power supply component is necessary if periodic maintenance is done according to Technical Manual furnished by Westinghouse. (Refer to Bechtel Vendor Print #8856-M87-41-4.)

(MG/P18-17)

EQDF NO: 25
DATE: 2/25/83
REV: 4

COMPONENT: RECOMBINER, HYDROGEN

MANUFACTURER: WESTINGHOUSE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1E440 A	A	CAC	C3, 26
1E440 B	A	CAC	C3, 26
1E440 C	A	CAC	C-2d, 26
1E440 D	A	CAC	C-2d, 26

UNIT II

2E440 A	A	CAC	C3, 31
2E440 B	A	CAC	C3, 31
2E440 C	A	CAC	C-2d, 31
2E440 D	A	CAC	C-2d, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 25

COMPONENT SHEET NO: 1 of 3

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	INTERMITTENT SEE NOTE 2	POST ACCIDENT 11 MO.	REF. B	REF. C PG. 8-7 OF VP 57-1	TEST/ ANALYSIS	NONE
COMPONENT: CONTAINMENT HYDROGEN RECOMBINER	TEMPERATURE (°F)	NOR: 135°F ACC: NOTE 4	NOTE 3	REF. A	REF. C	TEST/ ANALYSIS	NONE
MANUFACTURER: WESTINGHOUSE	PRESSURE (psig)	NOR: 1.5 ACC: NOTE 4	NOTE 3	REF. A	REF. C	TEST/ ANALYSIS	NONE
MODEL NUMBER:	RELATIVE HUMIDITY (%)	NOR: 100% ACC: 100%	100%	REF. A	REF. C	TEST	NONE
PURCHASE ORDER NO.: M87	CHEMICAL SPRAY	DEMIN. WATER	$NA_2B_4O_7$	REF. A	REF. C	TEST	NONE
FUNCTION/SERVICE:	RADIATION (RAD) TID GAMMA BETA	NOR: 7E06 ACC: 3.3E07 ACC: 7.4E08	2E08 NOTE 5	REF. A	REF. C	TEST/ ANALYSIS	NONE
ACCURACY: SPEC.: N/A DEMO: N/A	AGING	40 YEARS	NOTE 7	REF. B	REF. C	TEST	NONE
LOCATION: AREA: ELEV.: ROOM:	SUBMERGENCE	NOTE 6	NOTE 6	N/A	N/A	N/A	N/A
FLOOD LEVEL ELEV.:							
ABOVE FLOOD LEVEL?: YES:X NO:							

9290

956107

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11-2B-1 C. Westinghouse report WCAP 7709-CL Supplements 1 thru 7 V.P. No. 8856-M87-23, 25, 50, 51, (Cont'd.)	1. Qualified to the requirement of NUREG 0588, Cat. II.

5D-88

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 25
COMPONENT SHEET NO. 2 of 3
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
52, 53-3 Westinghouse Report SP-327 V.P. No. 8856-M87-57-1	2. Equipment required to be functional on as-needed basis after DBA for 100 days.

		Pressure	Temperature
3.	(a) 0-4 hours	69 psia	300°F
	(b) 4-20 hours	35 psia	260°F
	(c) 20 hours-21 days	20 psia	228°F
	(d). 21 days-11 months	20 psia	228°F
4.	0-45 sec	44 psig	340°F
	45 sec-3 hrs	35 psig	340°F
	3 hrs-6 hrs	35 psig	320°F
	6 hrs-24 hrs	20 psig	250°F
	24 hrs-100 days	10 psig	200°F

The rationale for the non-enveloping portion of the temperature and pressure during the LOCA transient has been included in the Section 3.3 Check List "C", attachements, page D-20 of the quipment qualification data file.

5. The Beta radiation will be absorbed by the metal cladding of the heater elements. Even assuming a conservative Bremstrahlung effect (Beta transformed to low energy gamma) of 2% for Incoloy 800, the combined gamma radiation dose is 1.22×10^8 rads. This is below the qualification radiation level of 2×10^8 rads.

For the cable, with the assumption of the semi-infinite cloud dose, the Beta dose (TID) will be 0.9×10^9 rads. Further reduction of a factor 10 can be applied, since the power cable has much more than the sacrificial jacket (i.e., 60 mils jacket vs. 45 mils jacket; see Ref. Document BPC-EQPM-G-1, Page A-3, IOM R00521). So the effective dose is 9.5×10^7 rads, while it is tested for 1.1×10^8 rads.

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 25
COMPONENT SHEET NO. 3 of 3
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	6. The maximum water level in the suppression pool is 690'-2" during pool swell, (Reference: Design Assessment Report, Section 4.2.1.6) while hydrogen recombiners (ID# 1E440A&C) are located at 690' 7½" in wetwell. 7. The qualified life of 40 years is concluded on the basis of thermal cycling testing on recombiner structure and power cable test (See Page B-5 of VP #8856-M87-57-1, and page 12 of VP #8856-M87-53-3, report section of the Blue Binder). The Surveillance testing of the recombiner must be conducted once every 6 months.

(MG/P18-17)

EQDF NO: 26
DATE: 2/25/83
REV: 4

COMPONENT: MOTOR WITH "F" INSULATION

MANUFACTURER: WESTINGHOUSE

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
IV-208 A, B	182 TCZ	RBHVAC	R1h (28)
IV-209 A, B	182 TCZ	RBHVAC	R1b (28)
IV-211 A,B,C,D	184 TCZ	RBHVAC	R1a (27)
OV-109 A, B	326 T	SGTS	CS8 (12)
IV-210 A,B,C,D	256 TCZ	RBHVAC	R1g (29)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 26

COMPONENT SHEET NO: 1 of 1

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: CLASS "F" INSULATION MOTORS MANUFACTURER: WESTINGHOUSE MODEL NUMBER: PURCHASE ORDER NO.: M399C FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TEST	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: 130	266(130°C)	REF. A	REF. D	"	"
	PRESSURE INCH WG	NORM: -.375 ACC: -.25	ATMOS.	REF. A	REF. D	"	"
	RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	ATMOS HUM.	REF. A	REF. D	"	"
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	NONE	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 3.5E04 ACC: 1.9E06 ACC: 4.3E05	8.7E 06 SEE NOTE 2	REF. A	REF. D	TYPE TEST	NONE
	AGING	40 YEARS	3 YEARS	REF. B	REF. D	"	"
	SUBMERGENCE	N/A	N/A	N/A	N/A	NONE	NONE

934741

616835

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11a-2
C. FSAR Parag. 9.4.2
D. Westinghouse Test Report 71-1C2-RADMC-R1 MM&G Class F Insulation System

NOTES

1) Complete motor not qualified for accident radiation dose, will be replaced by first refueling outage. Justification for interim operation is included in this report.
2) The actual TID value for radiation test (See Westinghouse letter DC# 162695).

5D-92

(MG/P18-17)

EQDF NO: 26
DATE: 2/25/83
REV: 4

COMPONENT: MOTOR (WITH "H" INSULATION)

MANUFACTURER: WESTINGHOUSE

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OV-101 A, B	256T	CSHVAC	CS8, 12
OV-118 A, B	215T	CSHVAC	CS6, 21
OV-144 A, B	213T	SGTS	CS7, 21
IV-222 A, B	254T	RBHVAC	R11, 29
OV-201 A, B	444TC2	RBHVAC	R4, 29

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 26

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:

COMPONENT:
CLASS "H" INSULATION MOTORS

MANUFACTURER:
WESTINGHOUSE

MODEL NUMBER:

PURCHASE ORDER NO.:
M399C

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.:

ABOVE FLOOD LEVEL?: YES:X NO:

077372

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	7533 HRS.	REF. C	REF. D	TYPE TEST	NONE
TEMPERATURE (°F)	NORM: 104 ACC: 104	410 (210°C)	REF. A	REF. D	"	"
PRESSURE INCH WG	NORM: +.125 ACC: +.125	ATMOS.	REF. A	REF. D	"	"
RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	100	REF. A	REF. D	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	NONE	"
RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E05 ACC: 4.3E05	2E08	REF. A	REF. D	TYPE TEST	"
AGING	40 YEARS	40 YEARS	REF. B	REF. D	"	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	NONE	NONE

7143

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11a.2
C. FSAR Para. 9.4.1
D. Westinghouse Test Report WCAP 9112 (MM9112) MM&G Class H Insulation System

NOTES

1. Qualified - NUREG-0588, Cat. II.

   a. Grease used must be W #53701-RY (CHEVRON SRI-2) from Standard Oil or California), or equivalent qualified grease.
   (Cont'd.)

(MG/P18-17)

5D-94

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L.
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & COMMON

EQDF NO. 26
COMPONENT SHEET NO.: 2 of 2
REV.: 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	b. All Westinghouse standard maintenance procedures should be followed.

(MG/P18-17)

EQDF: #27
Date: 2/25/83
Rev. 4

COMPONENT: CHILLER, CENTRIFUGAL

MANUFACTURER: CARRIER

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OK-112 A,B	19FA	CSHVAC	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 27

COMPONENT SHEET NO: 1 of 5

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.

COMPONENT:
CENTRIFUGAL WATER CHILLERS

MANUFACTURER:
CARRIER CORPORATION

MODEL NUMBER:

PURCHASE ORDER NO.:
M-310

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.:

ABOVE FLOOD LEVEL?: YES:X NO:

612892

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
TEMPERATURE (°F)	NORM: 104 ACC: 104	NORM: 104 ACC: 122	REF. A	REF. D	"	"
PRESSURE (psia)	NORM: ATM. ACC: ATM.	ATM.	REF. A	REF. D	"	"
RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	90-100	REF. A	REF. D	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.50E03 ACC: 1.0E03	1.0E06	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
AGING	40 YEARS	NOTE 2 >5 YEARS UP TO 40 YEARS	REF. C	TABLE 5.2 & 5.4 OF REF. D	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

9394

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 9.4.2
C. FSAR Para. 3.11.2b.1

(Cont'd.)

NOTES

1. Qualified:
   (a) Compressor motor, oil pump motor, solid state temperature control and other Class 1E subcomponents, as listed on page 8 of the M/R M-411, are qualified to the requirements of NUREG 0588, Cat. II.

(Cont'd.)

5D-97

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. CCL Report No. A-440-82, March 22, 1982 Vol. 1&2. VP Nos. 8856-M411-2-2 & 8856-M411-3-1. NEQR of Centrifugal Liquid Chillers.	(b) The remaining Class 1E subcomponent as listed on page 9 of the M/R, M-411 are qualified on the basis of the material information supplied by the Vendor and the Statistical Analysis, also provided by the vendor, in regards to the maintenance, surveillance and replacement schedule (V.P. #8856-M411-4-2). 3. Further justification is provided in Section 3.3 of Checklist "C" of the Blue Binder. Replacement schedule based on a) average service temperature of 104°F is shown on attached Table 5.4 and b) maximum service temperature of 104°F is shown on attached Table 5.2 (Table 5.2 and 5.4 is from CCL report No. A-440-82, Vol. 1&2, (V.P. No. 8856-M-411-2 & 8856-M-411-3-17).

CCL SAMPLE NO.	DESCRIPTION	QUALIFIED LIFE (YEARS)	MARGIN (PERCENT)				MAINTENANCE/ REPLACEMENT
			THERMAL AGING	WEAR AGING	RADIATION AGING	OPERATING VOLTAGE	
1286-3	Motorette	40	19	N/R	>100	N/R	None
1286-11	Main Oil Pump & Motor	20	23	>100	>100	-20	Replace at 20 years
1286-13M	Guide Vane Actuator Motor	20	5	>100	>100	-20	Replace at 20 years
1286-13P-2	Guide Vane Actuator Potentiometer	20	16	>10	>100	N/R	Replace at 20 years
1286-15-7-6	Capacity Control Module	5[2]	20[2]	>100[2]	>100[2]	-20[2]	Replace every 5 years[2]
1286-15-27	Control Module Transformer	20[2]	14[2]	N/R	>100[2]	N/R	Replace every 20 years[2]
1286-15-31	Elapsed Time Indicator	20[2]	14[2]	>100[2]	>100[2]	N/R	Replace every 20 years[2]
1286-20	Temperature Sensor	40	19	N/R	>100	N/R	None
1286-25	Oil Temperature Control	20	23	N/R	>100	N/R	Replace every 20 years
1286-27	Oil Heater Element	20	23	>100	>100	N/R	Replace every 20 years
1286-32-2	Chilled Water Sensor	10	40	N/R	>100	N/R	Replace every 10 years
1286-34	Differential Pressure Flow Switch	40	34	N/R	>100	N/R	None
1286-36	Purge Solenoid Valve	20	16	>10	>100	-55	Replace every 20 years
1286-73	Compressor Shaft Displacement SW	40	19	N/R	>100	N/R	None
1377-15-25	Dual Sensor Temperature	5[2]	20[2]	>100[2]	>100[2]	-55[2]	Replace every 5 years[2]

Note[1] Required cycles specification provided by Carrier contained greater than 10% Margin.

Note[2] Information provided to document maintenance/replacement schedule for NUREG-0588 Category II qualification of control panel components.

Table 5.4 Margins for Components Based on 104°F Average Service Temperature

CCL ITEM NUMBER	DESCRIPTION	SERVICE TEMP (°C)	THERMAL AGING PARAMETERS TEMP (°C)	TIME (DAYS)	AGED LIFE (YEARS)	RADIATION DOSE (MRADS)	WEAR AGING (CYCLES)	VIBRATION TEST	SEISMIC TEST	PDBE 85°C 23% RH 30 DAYS	MINIMUM QUALIFIED LIFE W/MARGIN (YEARS)	CLASS 1E MAINTENANCE PROCEDURE REPLACEMENT INTERVAL (YEARS)
1286-3	Motorette	43	110	1141.06	47.59	1.19	N/R	Yes	N/R	N/R	40	None
1286-11	Main Oil Pump & Motor	66	136	111.49	24.63	1.19	4,000	Yes	Yes	Yes	20	20
1286-13M-1	Guide Vane Actuator Motor	50	110	113.49	21.09	1.19	1.5×10^6	Yes	Yes	Yes	20	20
1286-13P-2	Guide Vane Actuator Potentiometer	40	95	132.87	23.13	1.04	3,267	Yes	Yes	Yes	20	20
1286-15-7-6	Capacity Control Module	50[2]	110[2]	32.16[2]	5.98[2]	0.10[1&2]	2,000[2]	N/R	Yes[2]	Yes[2]	5[2]	5[2]
1286-15-27	Control Module Transformer	50[2]	110[2]	122.36[1&2]	22.74[2]	1.17[2]	N/R	N/R	Yes[2]	Yes[2]	20[2]	20[2]
1286-15-31	Elapsed Time Indicator	50[2]	110[2]	122.36[1&2]	22.74[2]	1.17[2]	4,000[5&2]	N/R	Yes[2]	Yes[2]	20[2]	20[2]
1286-20	Temperature Sensor	43	110	141.06	47.59	1.19	N/R	N/R	Yes	Yes	40	None
1286-25	Oil Temperature Thermostat	66	136	111.49	24.63	1.19	N/R	N/R	Yes	Yes	20	20
1286-27	Oil Heater Element	66	136	111.49	24.63	1.19	4,000	N/R	Yes	Yes	20	20
1286-32-2	Chilled Water Temerature Sensor	40	95	80.18	13.96	1.19	N/R	N/R	Yes	Yes	10	10
1286-34	Differential Pressure Flow Switch	40	110	122.36[1]	53.74	1.19	N/R	N/R	Yes	Yes	40	None

Table 5.2 Tabular Program Summary Based on 104°F (40°C) (Continued)

CCL ITEM NUMBER	DESCRIPTION	SERVICE TEMP (°C)	THERMAL AGING PARAMETERS			RADIATION DOSE (MRADS)	WEAR AGING (CYCLES)	VIBRATION TEST	SEISMIC TEST	PDBE	MINIMUM QUALIFIED LIFE W/MARGIN[4] (YEARS)	CLASS IE MAINTENANCE PROCEDURE REPLACEMENT INTERVAL (YEARS)
			TEMP (°C)	TIME (DAYS)	AGED LIFE (YEARS)					85°C 23% RH 30 DAYS		
1286-36	Purge Solenoid Valve	40	95	132.87	23.23	1.04	8,750	N/R	Yes	Yes	20	20
1286-73	Compressor Shaft Displacement Switch	43	110	141.06	47.59	1.19	N/R	N/R	Yes	Yes	40	None
1377-15-25	Dual Sensor Temperature Module	50[2]	110[2]	32.16[2]	5.98[2]	1.60[2]	1,000[2]	N/R	Yes[2]	Yes[2]	5[2]	5[2]

[1] From 7/20/78 to 8/30/78 the aging temperature varied from 90°C to 110°C. The equivalent aging time at 110°C was calculated for this period and added to the remainder of the aging time.

[2] Information provided to document maintenance/replacement schedule for NUREG-0588 Category II qualification of control panel components.

[3] Revised

[4] Radiation occurred in a special test prior to the start of other tests.

[5] Part of an operating system which was cycled 4,000 times.

Table 5.2 Tabular Program Summary Based on 104°F (40°C) (Continued)

EQDF NO: 28
DATE: 2/25/83
REV: 4

COMPONENT: MOTOR UNIT COOLER

MANUFACTURER: RELIANCE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1V-414 A/B	286TCZ	RBHVAC	C2d, 26
1V-415 A/B	286TCZ	RBHVAC	C2d, 26
1V-416 A/B	286TCZ	RBHVAC	C2d, 26

UNIT II

2V-414 A/B	286TCZ	RBHVAC	C2d, 31
2V-415 A/B	286TCZ	RBHVAC	C2d, 31
2V-416 A/B	286TCZ	RBHVAC	C2d, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 28
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
DRYWELL UNIT COOLER FAN MOTOR
MANUFACTURER:
AMERICAN AIR FILTER
(JOY-RELIANCE)
MODEL NUMBER:

PURCHASE ORDER NO:
M317
FUNCTION/SERVICE:
RECIRC. COOL AIR
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV. 705'-8"
ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	EMERG. MODE:4HRS CONTINUOUS TO 10,145 HRS.	REF. B, D	REF. C	TYPE TEST	NONE
TEMPERATURE (°F)	NORMAL: 135 ACCID: NOTE 3	NOTE 4, 5	REF. A	REF. C	TYPE TEST	NONE
PRESSURE (PSIG)	NOR: .1 TO 1.5 ACC: NOTE 3	NOTE 4	REF. A	REF. C	TYPE TEST	NONE
RELATIVE HUMIDITY (%)	NOR: 90 ACC: NOTE 3	NOTE 4	REF. A	REF. C	TYPE TEST	NONE
CHEMICAL SPRAY	N/A	BORIC ACID SOLUTION	NONE	REF. C	TYPE TEST	NONE
RADIATION (RAD) TID GAMMA BETA	NORM: 7.0E06 ACC: 7.7E07 BETA: 1.9E09	1.0E09 (TID) NOTE 2	REF. A	REF. C	TYPE TEST	NONE
AGING	40 YEARS	40 YEARS NOTE 6	REF. B	REF. C	TYPE TEST	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

200814

5024

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. Joy Report X-604 and Reliance Report NUC-9; DCN 132925
D. Bechtel Spec. 8856-M-317 Specification 8856-G-5 Para. 4.0.

NOTES

1. Fan Motor Qualification meets IEEE-334/1971 and NUREG-0588 Cat. II.
2. The Beta Radiation dose is external to the fan casing and will not penetrate more than a few mils of metal; therefore, the Beta dose is not a consideration in this qualification.

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

NOTES (CONT.)

3.

Time	Pressure	Temperature	R.H.
a) 0-45 sec.	44 psig	340°F	100%
b) 45 sec - 3 hrs	35 psig	340°F	100%
c) 3 hrs - 6 hrs	35 psig	320°F	100%
d) 6 hrs - 24 hrs	20 psig	250°F	100%
e) 24 hrs - 100 days	10 psig	200°F	100%

4. See page 14, 15, and 16 of Reference C.

Time	Pressure	Temperature	R.H.
a) 0-30 mins	78 psig	350°F	100%
b) 30 mins - 4 hrs	78 psig	330°F	100%
c) 4 hrs - 7 hrs	70 psig	320°F	100%
d) 7 hrs - 11 hrs	70 psig	300°F	100%
e) 11 hrs - 4 days	25 psig	265°F	100%
f) 4 days - 365 days	17 psig	250°F	100%

5. The Loca Test profile did not envelope the SSES profile in 30 minutes to 3 hours region. However, the LOCA temperature of 340°F is the design temperature. The actual peak temperature in the drywell due to steamline break is 313°F (See the FSAR Table 6.2-5) and temperature profile due to the steamline break is also shown in the FSAR Figure 6.2-12 which is less severe than the test temperature profile of the unit cooler motors. The steamline break is the worst condition for the temperature transient.

6. The test specimen was thermally aged to simulate 40 years of life at operating temperature of 105°C (Ref. C Joy Report No. X-604, Page 5).

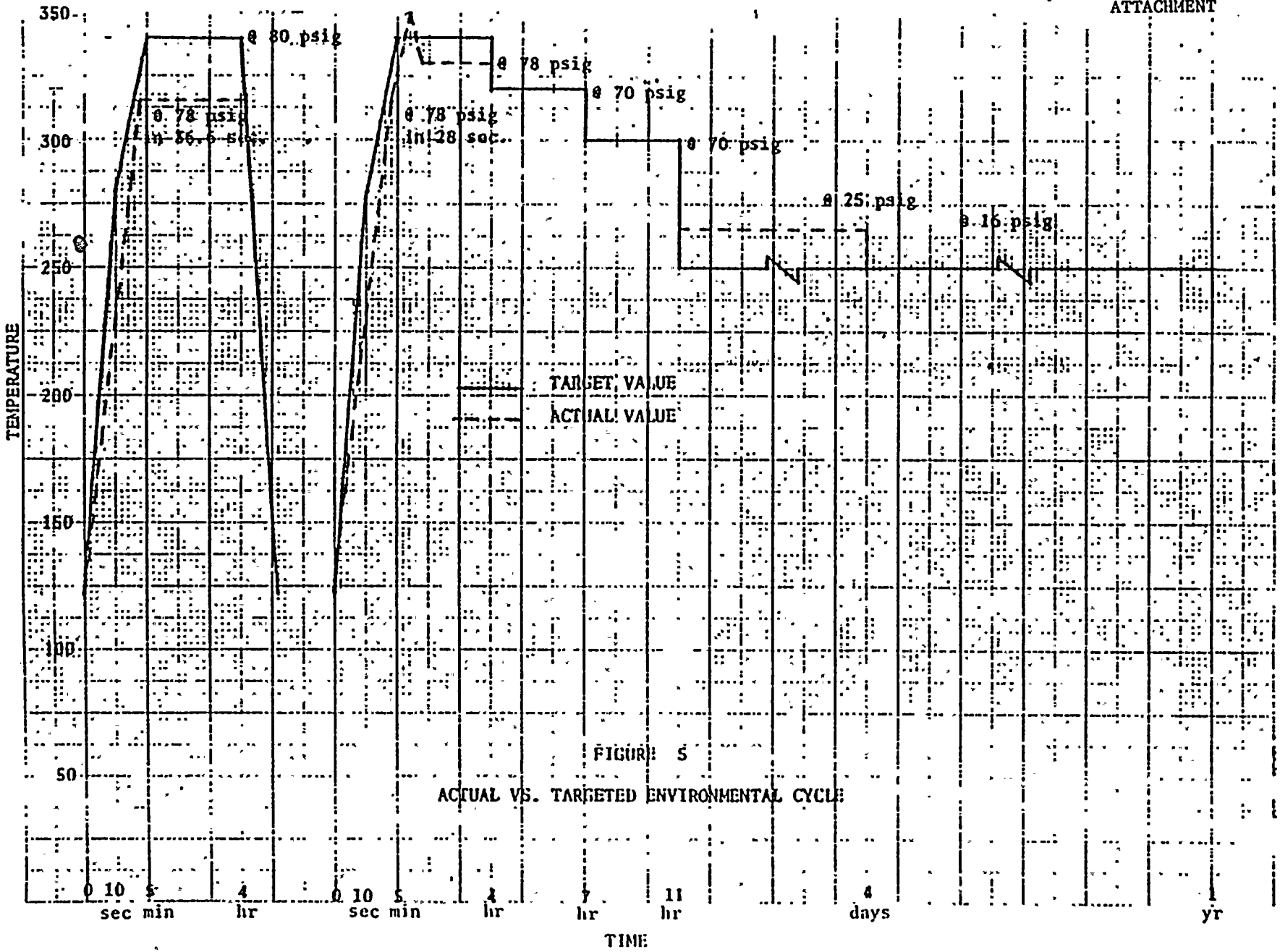


FIGURE 5

ACTUAL VS. TARGETED ENVIRONMENTAL CYCLE

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: DETECTOR, Cl_2 GAS

MANUFACTURER: WALLACE & TIERNAN

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
XISH-07802A/B	50-125D	CSHVAC	CS4,21

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: CHLORINE DETECTOR MANUFACTURER: WALLACE & TIERNAN MODEL NUMBER: PURCHASE ORDER NO.: M320/M415 FUNCTION/SERVICE: ACCURACY: SPEC: ±5% DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: 104	119	REF. A	REF. D	TYPE TESTING	NONE
	PRESSURE psia	NORM: ATM. ACC: ATM.	ATMOS	REF. A	REF. D	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	95±5% NOTE 3	REF. A	REF. D	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.0E04 ACC: 1.0E03	1.25E04	REF. A	REF. D	TYPE TESTING	NONE
	AGING	40 YEARS	5 YEARS UP TO 25 YEARS (NOTE 2)	REF. B	REF. D	ENGR. ANALYSIS & TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

962951

688649

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. FSAR Para. 9.4.2	1. Qualified to NUREG 0588, Cat. II. 2. See Page 14 of Ref. D for replacement and maintenance schedule. 3. Additional head loads (e.g., chilled Water Pumps) will inevitably decrease the relative humidity. Also, the electrical components are enclosed in NEMA 4, watertight and dusttight enclosure.

5D-107

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

COMMON

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO.29
COMPONENT SHEET NO. 2 of 2
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Corporate Consulting & Development Co. Report No. A-443-82-01, June 28, 1982, V/P No. 8856-M415-3-2. Nuclear Envir. Qual. Report of Safety-Related Devices.	

(MG/P18-7)

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: PANEL, FIRE DETECTION

MANUFACTURER: ALLISON

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC-888A/B	A971-1-1-SSS	SGT	CS9,12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
PANEL, FIRE DETECTOR
MANUFACTURER:
ALLISON
MODEL NUMBER:
PURCHASE ORDER NO.:
M320/M415
FUNCTION/SERVICE:
ACCURACY: SPEC: ±12°F
DEMO:
LOCATION: AREA:
ELEV:
ROOM:
FLOOD LEVEL ELEV. N/A
ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TEST & ANALYSIS	NONE
TEMPERATURE (°F)	NOR: 104 ACC: 104	120	REF. A	REF. D	TYPE TEST & ANALYSIS	NONE
PRESSURE	NOR: ATMOS. ACC: ATMOS.	ATMOS.	REF. A	REF. D	TYPE TEST & ANALYSIS	NONE
RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	100	REF. A	REF. D	TYPE TEST & ANALYSIS	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NOR: 5.3E03 ACC: 1.2E07* ACC: 1.0E03	4.0E05	REF. A SEE NOTE 3	REF. D	TYPE TEST & ANALYSIS	NONE
AGING	40 YEARS	40 YEARS	REF. B	REF. D	TYPE TEST & ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

*ATTENUATED GAMMA ACC. TID IS 1.4E05 FOR OC888A AND 3.7E05 FOR OC888B.

2670

059598

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.112B.1
C. FSAR Para. 9.4.1

NOTES

1. Qualified to NUREG 0588, Cat. I.
2. The qualified life dose of 2.5E05 rads for the P/N LM 124 IC was chosen by the test lab for conservatism. Actual tests

5D-110

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 29
COMPONENT SHEET NO 2 Of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Wyle Lab. Report No. 45155-1, Dec. 18, 1980. V/P No. 8856-M320-123-1, Test of a Fire Detection, Extinguishing Control System	indicate failure dose from 3.1E05 up to 5.85E06 rads. Also, this IC is located inside the steel cabinet which would further attenuate the radiation dose. Please reference Section 6.22, DCN-0173348, for further information with regard to the radiation qualification TID. 3. Section 6.23 (DCN-0173916, IOM to E. Poser dated Aug. 10, 1982) contains TIDs of various SGTS area equipment. This includes panel OC-888A attenuated TID of 1.4E05 and 3.7E05 for OC-888B, based on Charcoal Filter TID of 1.2E07.

(MG/P18-17)

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, FLOW

MANUFACTURER: FLUID COMPONENTS, INC.

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FSL-07841 A/B	12-64-4D	CSHVAC	CS4,21
FSL-07842 A/B	12-64-4D	CSHVAC	CS6,21
FSL-08621 A/B	SR8-75	CSCW	CS4,21
FSH-17601 A/B	12-64-4D	RBHVAC	R1i,29
FSH-17602 A/B	12-64-4D	RBHVAC	R1i,29
FSH-17630 A/B	12-64-4D	RBHVAC	R1i,29
FSH-17657 A/B	12-64-4D	RBHVAC	R1m,29

UNIT II

FSH-27601 A/B	12-64-4D	RBHVAC	R1i,33
FSH-27602 A/B	12-64-4D	RBHVAC	R1i,33
FSH-27630 A/B	12-64-4D	RBHVAC	R1i,34
FSH-27657 A/B	12-64-4D	RBHVAC	R1i,33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT I & II

EQDF NO. 29

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: FLOW SWITCH MANUFACTURER: FLUID COMPONENTS, INC. MODEL NUMBER: PURCHASE ORDER NO.: M320/M415 FUNCTION/SERVICE: ACCURACY: SPEC: ±5% DEMO: ±5% LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: 104	119	REF. A	REF. D	TYPE TESTING	NONE
	PRESSURE INCH WG	NORM: -.25 ACC: -.25	ATM.	REF. A	REF. D	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	95 ± 5% NOTE 4	REF. A	REF. D	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 4.9E04 ACC: 1.1E06*	6.06E05	REF. A & NOTE 2	REF. D	TYPE TESTING	NONE
	AGING	40 YEARS	10 YEARS SEE NOTE 3	REF. B	REF. D	ENGR. ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

*ATTENUATED BETA ACC. TID IS 5.5E05

169615

171197

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. FSAR Para. 9.4.2	1. Qualified to NUREG 0588, Cat. II. 2. Since the airborne beta dose from FSAR was calculated using an infinite cloud model, a reduction factor of 2 can be applied (Ref. Section 6.15 of Blue Binder No. 29).

5D-113

(MG/P10-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT I & II

EQDF NO. 29
COMPONENT SHEET NO 2 of 2
REV 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Corporate Consulting & Development Co. Report No. A-443-82-01, June 28, 1982. V/P No. 8856-M415-3-2. Nuclear Envir. Qual. Report of Safety-Related Devices.	3. See Page 16 of Ref. D for replacement and maintenance schedule. 4. Additional heat loads (e.g. Chilled Water Pumps) will inevitably decrease the relative humidity. Also, the electrical components are enclosed in a NEMA 4, water-tight and dusttight enclosure.

5D-114

(MG/P18-17)

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, LEVEL

MANUFACTURER: MERCOID

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
LSL/LSH 08634A	230WT-AV7704	CSCW	CS4,21
LSL/LSH 08634B	230WT-AV7704	CSCW	CS9,12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:

COMPONENT:
LEVEL SWITCH

MANUFACTURER:
MERCOID

MODEL NUMBER:

PURCHASE ORDER NO.:
M320/M415

FUNCTION/SERVICE:
ALARM LO/HI WATER

ACCURACY: SPEC: ±5%
DEMO: NOTE 4

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV. N/A

ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
TEMPERATURE (°F)	NORM: 104 ACC: 104	119	REF. A	REF. D	TYPE TESTING	NONE
PRESSURE psia	NORM: ATMOS. ACC: ATMOS.	ATM.	REF. A	REF. D	TYPE TESTING	NONE
RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	95 ± 5% NOTE 5	REF. A	REF. D	TYPE TESTING	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NORM: 5.3E03 ACC: 1.2E 07* ACC: 1.0E03	1.7E06	REF. A & NOTE 2	REF. D	TYPE TESTING	NONE
AGING	40 YEARS	40 YEARS SEE NOTE 3	REF. B	REF. D	ENGR. ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

653062

*ATTENUATED GAMMA ACC. TID IS 2.4E05

0180

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. FSAR Para. 9.4.2

NOTES

1. Qualified to NUREG 0588, Cat. II.

2. This equipment is located approximately 5 ft. above the Fire Detection Panel (0C888A/B) which experiences a gamma TID value of 2.4E05. Ref. Sec. 6.3 of Blue Binder #29.

5D-116

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 29
COMPONENT SHEET NO 2 of 2
REV 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Corporate Consulting & Development Company Report No. A-443-82-01, June 28, 1982. V/P No. 8856-M415-3-2, Nuclear Envir. Qual. Report of Safety-Related Devices.	3. Additional information on qualified life is presented in Section 5.2.4 of Equipment Qualification Data File #29. 4. Set point accuracy has been determined to envelope the specification accuracy (See Section 5.2.5 of Equipment Qualification Data File #29. 5. Additional heat loads (e.g. Chilled Water Pumps) will inevitably decrease the relative humidity. Also, the electrical components are enclosed in a NEMA 4, water-tight and dusttight enclosure.

(MG/P18-17)

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, PRESSURE DIFFERENTIAL

MANUFACTURER: ASCO

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
PDSL-07544A/B	SB32BKR/TA31A16	RBHVAC	R2,29
PDSH-07555A/B	SB32BKR/TA31A16	SGT	CS6,21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:

COMPONENT:
PRESSURE DIFFERENTIAL SWITCH

MANUFACTURER:
ASCO

MODEL NUMBER:

PURCHASE ORDER NO.:
M320/M415

FUNCTION/SERVICE:

ACCURACY: SPEC: 1% OF FULL RANGE
DEMO: NOTE 4

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV. N/A

ABOVE FLOOD LEVEL?: YES:X NO:

4635

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
TEMPERATURE (°F)	NOR: 104 ACC: 104	119	REF. A	REF. D	TYPE TESTING	NONE
PRESSURE	NOR: ATMOS. ACC: -1.5"	ATM.	REF. A	REF. D	TYPE TESTING	NONE
RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	95 ± 5% NOTE 5	REF. A	REF. D	TYPE TESTING	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 4.9E04 ACC: 1.1E06*	5.7E06	REF. A & NOTE 2	REF. D	TYPE TESTING	NONE
AGING	40 YEARS	10 YEARS SEE NOTE 3	REF. B	REF. D	ENGR. ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

619501

*ATTENUATED BETA ACC. TID IS 5.5E05

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. FSAR Para. 9.4.2

NOTES

1. Equipment is qualified to NUREG 0588, Cat. II.
2. Since the airborne beta dose from the FSAR was calculated using an infinite cloud model, a reduction factor of 2 can be applied (Ref. Sec. 6.15 of Blue Binder No. 29.)

5D-119

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 29
COMPONENT SHEET NO 2 of 2
REV 6 DATE. 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Corporate Consulting & Development Co. Report No. A-443-82-01, June 28, 1982, V/P No. 8856-M415-3-2. Nuclear Envir. Qual. Report of Safety-Related Devices.	3. See V/P #8856-M-415-1-3, Appendix A for replacement schedule. Additional information on qualified life is presented in Section 5.2.4 of Equipment Qualification Data File #29. 4. Set point has been determined to envelope the specification accuracy (see Section 5.2.5, this binder). 5. The electrical components are enclosed in a NEMA 4, water-tight and dusttight enclosure.

(MG/P18-17)

EQDF NO: 29
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, TEMPERATURE

MANUFACTURER: ASCO

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
TSL 07802 A/B	SB12 BKR/QD 11A4	CSHVAC	CS4,21
TSL&TSH 07841A,B	SC11AR/QD 10A4	CSHVAC	CS4,21
TSL&TSH 07842A,B	SC11AR/QD 10A4	CSHVAC	CS6,21
TSH 17631 A,B	SB12 BKR/QF 11A4	RBHVAC	R1i,29
TSH 17661A,B	SB12BKR/QF 10A4	RBHVAC	R1h,28
TSH 17663A,B	SB12BKR/QF 10A4	RBHVAC	R1b,25

UNIT II

TSH 27661 A,B	SB12BKR/QF 10A4	RBHVAC	R1h,33
TSH 27663 A,B	SB12BKR/QF 10A4	RBHVAC	R1b,30
TSH 27631 A,B	SB12BKR/QF 11A4	RBHVAC	R1i,34

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT I & II

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT: TEMP. SWITCH
MANUFACTURER: ASCO
MODEL NUMBER:
PURCHASE ORDER NO.: M320/M415
FUNCTION/SERVICE:
ACCURACY: SPEC: ±2°F
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV.: N/A
ABOVE FLOOD LEVEL: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
TEMPERATURE (°F)	NOR: 104 ACC: SEE NOTE 4	NOR: 119 ACC: 300° FOR 60 SEC.	REF. A	REF. D	TYPE TESTING	NONE
PRESSURE	NOR: -.375"WG ACC: 4.2 psig	ATOM.	REF. A	REF. D	TYPE TESTING	NONE
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	95±5%	REF. A	REF. D	TYPE TESTING	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 1.9E06 ACC: 1.1E06*	2.64E06	REF. A NOTE 2	REF. D	TYPE TESTING	NONE
AGING	40 YEARS	10 YEARS SEE NOTE 3	REF. B	REF. D	ENGR. ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

*ATTENUATED BETA ACC. TID IS 5.5E05

945200

627737

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. FSAR Para. 9.4.2

NOTES

1. Qualified to NUREG 0588, Cat. II.
2. Since the airborne beta dose from the FSAR was calculated using an infinite cloud model, a reduction factor of 2 can be applied. (Ref. Section 6.15 of Blue Binder No. 29.)

5D-122

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT I & II

EQDF NO. 29
COMPONENT SHEET NO. 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Corporate Consulting & Devel. Co. Report No. A-443-82-01, June 28, 1982. V/P #8856-M415-3-2. Nuclear Environmental Qual. Report of Safety-Related Devices.	3. See V/P #8856-M415-1-3, Appendix A for replacement schedule. Additional information on qualified life is presented in Section 5.2.4 of equipment qualification data file as well as Page 20 of Ref. D. 4. ACC: 300° for 60 sec. (130°) max.

(MG/P18-17)

EQDF NO: 29
DATE: 4/11/83
REV: 5

COMPONENT: TRANSMITTER, PRESSURE DIFFERENTIAL (3 WIRE)

MANUFACTURER: TAVIS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
PDT-07550A/B	P8C (s)	SGT	CS6,21
FT-07551A/B	P8C (s)	SGT	CS6,21
PDT-07553A/B	P8C (s)	SGT	CS9,12
PDT-07554A1/A3	P8C (s)	SGT	R5,25
PDT-07554B1/B3	P8C (s)	SGT	R5,25
FT-07816A/B	P8C (s)	CSHVAC	CS8,12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: PRESSURE DIFFERENTIAL TRANSMITTER MANUFACTURER: TAVIS MODEL NUMBER: PURCHASE ORDER NO.: M320 FUNCTION/SERVICE: ACCURACY: SPEC: 1/2% FULL SPAN DEMO: NOTE 3 LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
	TEMPERATURE (°F)	NOR: 104 ACC: 104	221	REF. A	REF. D	TYPE TESTING	NONE
	PRESSURE INCH WG	NOR: -.375 ACC: -.25	ATM.	REF. A	REF. D	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	90-95 NOTE 4	REF. A	REF. D	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E06 ACC: 3.5E06 ACC: 4.3E05	1.4E06 REF. E	REF. A	REF. D	TYPE TESTING	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. D	TYPE TESTING	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

172951

971241

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. FSAR Para. 9.4.2	1. Equipment is qualified to NUREG 0588, Cat. 1 requirements. 2. Old two (2) wire units were replaced by new three (3) wire units 3. The acceptance criteria was based on the overall system sensitivity demands, which were met.

(MG/P18-17)

5D-125

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY. SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 29
COMPONENT SHEET NO. 2 of 2
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Action Environmental Testing Corp. Report No. 15030-5C, dated December 19, 1982. V/P No. 8856-M320-139-2. E. Bechtel DCN 0182099.	4. Additional heat load (e.g. Chilled Water Pumps) will inevitably decrease the relative humidity. Also, the electrical components are enclosed in a NEMA 4, water-tight and dusttight enclosure.

(MG/P18-17)

EQDF NO: 29
DATE: 4/11/83
REV: 5

COMPONENT: TRANSMITTER, PRESSURE DIFFERENTIAL

MANUFACTURER: TAVIS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FT-07555	P8C (s)	SGT	CS6, 21
FT-07557	P8C (s)	SGT	R1f, 27
PDT-07814A/B	P8C (s)	CSHVAC	CS8, 12

UNIT II

PDT-07554A2	P8C (s)	SGT	R5,25
PDT-07554B2	P8C (s)	SGT	R5,25

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON & UNIT 2

EQDF NO. 29
COMPONENT SHEET NO: 1 of 2
REV. 0 DATE: 4/4/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: PRESSURE DIFFERENTIAL TRANSMITTER MANUFACTURER: TAVIS MODEL NUMBER: PURCHASE ORDER NO.: M320 FUNCTION/SERVICE: ACCURACY: SPEC: 1/2% FULL SPAN DEMO: NOTE 4, 5% F.S. LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. C	REF. D	TYPE TESTING	NONE
	TEMPERATURE (°F)	NOR: 104 ACC: 104	221	REF. A	REF. D	TYPE TESTING	NONE
	PRESSURE	NOR: -.375 ACC: -.25	ATM.	REF. A	REF. D	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	90-95 NOTE 5	REF. A	REF. D	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E06 ACC: 3.5E06 ACC: 4.3E05	1.4E06 REF. E	REF. A	REF. D	TYPE TESTING	NONE
	AGING	40 YEARS	40 YEARS NOTE 3	REF. B	REF. D	TYPE TESTING	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

246580

4590

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. FSAR Para. 9.4.2	1. Complete: Two (2) wire units to be replaced by qualified three (3) wire units. 2. Replacement of old two (2) wire unit to new three (3) wire prior to completion of first refueling. The new three (3) wire units are qualified to NUREG-0588, Cat. I requirements. Qualification data is shown in the above table.

5D-128

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

COMMON AND UNIT 2

OWNER. PP&L
FACILITY. SUSQUEHANNA
DOCKET NO

EQDF NO. 29
COMPONENT SHEET NO. 2 of 2
REV. 0 DATE 4/4/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Action Environmental Testing Corp. Report No. 15030-5C, dated December 19, 1982. V/P No. 8856-M320-139-2. E. Bechtel DCN 0182099.	3. Reference Section 6.28 and 6.29 of Qualification Binder #29 for the qualified life. 4. The 5% F.S. acceptance criteria was based on the overall system sensitivity demands. 5. The electrical components are enclosed in a NEMA 4, water-tight and dusttight enclosure.

(MG/P18-17)

EQDF: #30
Date: 2/25/83
Rev. 4

COMPONENT: HEATING COIL, SGTS

MANUFACTURER: (CVI) CHROMALOX

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OE101 A,B	DHMS-2-F-054W24H	SGT	CS9, 12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
COMMON

EQDF NO. 30
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
Electric Heating Coil
MANUFACTURER:
CVI (Chromalox)
MODEL NUMBER:
PURCHASE ORDER NO.:
M321/M409
FUNCTION/SERVICE: Provide less than 70% RH. on air flow
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV: N/A
ABOVE FLOOD LEVEL?:
YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT NOTE 2	INTERMITTENT	N/A	REF. C	TYPE TEST & ENGR. ANAL.	NONE
TEMPERATURE (°F)	NORMAL = 104 ACC. = 180	248	REF. A	"	"	"
PRESSURE	NORMAL = ATMOS. ACC. = ATMOS.	ATMOS.	REF. A	"	"	"
RELATIVE HUMIDITY (%)	NORMAL = 100 ACC. = 100	AMB. to 100%	REF. A	"	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NORMAL = 5.3E03 ACC. = 1.2E07 ACC. = 4.3E05*	2.0E08	REF. A	REF. C	TYPE TEST & ENGR. ANAL.	"
AGING	40 YEARS	40 YEARS	REF. B	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

2167

*Since Equipment is located inside a duct, Reactor Bldg. beta TID is applicable.

027660

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. Anco Engineers, Inc., Report No. A-000023, Rev. 0 dated Sept. 10, 1982, V/P #8856-M409-1-2

NOTES

1. Qualified to NUREG-0588, Cat. II.
2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-131

(MG/P18-17)

EQDF: #30
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, HEATER CONTROL

MANUFACTURER: (CVI) HOFFMAN

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC887 A,B	HOFFMAN #A30P24	SGT	CS9 (12)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 30

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:
OC 887 A/B

COMPONENT:
Heater Control Panel

MANUFACTURER:
CVI Hoffman

MODEL NUMBER:

PURCHASE ORDER NO.:
M321/M409

FUNCTION/SERVICE: Enclosure & Panel for Components

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.: N/A

ABOVE FLOOD LEVEL?:
YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT See Note 2	INTERMITTENT	N/A	REF. D	TYPE TEST& ENGR. ANAL	NONE
TEMPERATURE (°F)	NORMAL = 104 ACC. = 104	225 to 248	REF. A	"	"	"
PRESSURE	NORMAL = ATMOS. ACC. = ATMOS.	ATMOS.	REF. A	"	"	"
RELATIVE HUMIDITY (%)	NORMAL = 100 ACC. = 100	AMB. TO 100%	REF. A	"	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NORMAL = 5.3E03 ACC.=1.2E07* ACC.=1.0E03	4.1E05 to 2.0E08	REF. C	REF. D	TYPE TEST & ENGR. ANAL.	"
AGING	40 YEARS	10 YRS. to 40 YRS. SEE NOTE 3	REF. B	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

*The attentued total integrated dose at the location of the control panel after the accident is 1.4E05 for OC-887A and 3.7E05 for OC-887B (See Reference C).

2785

746263

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. DCN-0173916 Section 6.7 of Equipment Qualification Data File #30

(Cont'd.)

NOTES

1. Equipment is qualified to NUREG-0588, Cat. II, requirements.
2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-133

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 30
COMPONENT SHEET NO. 2 of 2
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Anco Engineers, Inc., Report No. A-000023, Rev. 1 dated Sept. 23, 1982. V/P #8856-M409-1-2.	3. See Table 1 on page 8 of Ref. D for the component listing. The components qualified life is noted on pages 4 & 5 of Ref. D as well.

EQDF: #30
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, HEATER CONTROL

MANUFACTURER: (CVI) WIEGMANN

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC886 A,B	#657676	SGT	CS9 (12)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 30
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT: Control/Panel
MANUFACTURER: CVI (Wiegmann)
MODEL NUMBER:
PURCHASE ORDER NO.: M321/M409
FUNCTION/SERVICE: Enclosure & Panel for Components
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV.: N/A
ABOVE FLOOD LEVEL?:
YES: X NO:

PARAMETER	ENVIRONMENT FSAR	ENVIRONMENT QUALIFICATION	DOCUMENTATION REF FSAR	DOCUMENTATION REF QUAL.	QUAL METHOD	OUT-STANDING ITEMS
OPERATING TIME	INTERMITTENT See Note 2	INTERMITTENT	N/A	REF. D	TYPE TEST & ENGR. ANAL.	NONE
TEMPERATURE (°F)	NORMAL = 104 ACC. = 104	225 to 248	REF. A	"	"	"
PRESSURE	NORMAL = ATMOS. ACC. = ATMOS.	ATMOS.	REF. A	"	"	"
RELATIVE HUMIDITY (%)	NORMAL = 100 ACC. = 100	AMB. TO 100%	REF. A	"	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NORMAL = 5.3E03 ACC. = 1.2E07* ACC. = 1.0E03	4.1E05 to 2.0E08	REF. C	REF. D	TYPE TEST & ENGR. ANAL.	"
AGING	40 YEARS	SEE NOTE 3 10 YRS. to 40 YRS.	REF. B	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

5203

*The attentued total integrated dose at the location of the control panel after the accident is 1.4E05 for OC-886A and 3.7E05 for OD-886B (See Ref: C.).

461972

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. DCN-0173916, Section 6.7 of Equipment Qualification Data File #30.

(Cont'd.)

NOTES

1. Qualified to NUREG-0588, Cat. II.
2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-136

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY. SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 30
COMPONENT SHEET NO. 2 of 2
REV 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. Anco Engineers, Inc. Report No. A-000023, Rev. 1 dated Sept. 23, 1982. V/P #8856-M409-1-3.	3. See Table 1 on page 8 of Ref. D for the component listing. The component's qualified life is noted on pages 4 & 5 of Ref. D as well.

EQDF NO: 30
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, TEMPERATURE

MANUFACTURER: CHROMALOX

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OE101A, B	ARC-24	SGT	CS9, 12

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO.30

COMPONENT SHEET NO: 1 of 1

REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: STANDBY GAS TREATMENT	OPERATING TIME	INTERMITTENT (NOTE 2)	INTERMITTENT	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
PLANT I.D. NO.:	TEMPERATURE (°F)	NORMAL = 104 ACC.: = 104	NOTE 1	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
COMPONENT: TEMPERATURE SWITCH	PRESSURE PSIA	NORMAL = ATMOS. ACC.: = ATMOS.	NOTE 1	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
MANUFACTURER: CVI (CHROMALOX-MFGR.)	RELATIVE HUMIDITY (%)	NORMAL = 100 ACC.: = 100	NOTE 1	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
MODEL NUMBER:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
PURCHASE ORDER NO.: M321	RADIATION (RAD) TID GAMMA BETA	NORMAL=5.3E03 ACC.= 1.2E07 ACC.= 4.3E05	NOTE 1	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
FUNCTION/SERVICE: THERMAL CUTOFF SWITCH FOR HEATER OB101A/B	AGING	40 YEARS	NOTE 1	REF. A	REF. C	ENGR. ANALYSIS	NOTE 1
ACCURACY: SPEC: N/A DEMO: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A
LOCATION: AREA: ELEV.: ROOM:							
FLOOD LEVEL ELEV.: N/A							
ABOVE FLOOD LEVEL?: YES:X NO:							

925117

5327

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Parag. 3.11.2b.1 C. Later	1. INCOMPLETE - This component will be qualified by the first refueling outage. 2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-139

(MG/P18-17)

EQDF: #31A
Date: 2/25/83
Rev. 4

COMPONENT: HEATING COIL, VENT. FILT

MANUFACTURER: FARR (Chromalox)

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OE143 A,B	PCN #128549	CSHVAC	CS8, 12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 31A
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.

COMPONENT:
Electric Heating Coil

MANUFACTURER:
Farr (Chromalox)

MODEL NUMBER:

PURCHASE ORDER NO.:
M325/M407

FUNCTION/SERVICE: Provide less than 70% R.H. on air flow

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV. N/A

ABOVE FLOOD LEVEL?:
YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT NOTE 2	INTERMITTENT	N/A	REF. C	TYPE TEST & ENGR. ANAL.	NONE
TEMPERATURE (°F)	NORMAL = 104 ACC. = 104	248	REF. A	"	"	"
PRESSURE	NORMAL = ATMOS. ACC. = ATMOS.	ATMOS.	REF. A	"	"	"
RELATIVE HUMIDITY (%)	NORMAL = 100 ACC. = 100	AMB. to 100%	REF. A	"	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NORMAL = 8.8E02 ACC. = 1.5E05 ACC. = 4.3E05*	2.0E08	REF. A	REF. C	TYPE TEST & ENGR. ANAL.	"
AGING	40 YEARS	40 YRS.	REF. B	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

*Since Equipment is located inside a duct, Reactor Bldg. beta TID is applicable.

3048

387303

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. Anco Engineers, Inc., Report No. A-000022, Rev. 0 dated Sept. 2, 1982. V/P #8856-M407-6-2.

NOTES

1. Qualified to NUREG-0588, Cat. II requirements.
2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-141

(MG/P18-17)

EQDF: #31A
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, HEATER CONTROL

MANUFACTURER: FARR

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC889 A,B	Farr (Hoffman)	CSHVAC	CS8, 12

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 31A
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT: Control Panel
MANUFACTURER: Farr
MODEL NUMBER:
PURCHASE ORDER NO.: M325/M407
FUNCTION/SERVICE: Enclosure Panel for Components
ACCURACY: SPEC.: N/A
DEMO: N/A
LOCATION: AREA:
ELEV:
ROOM:
FLOOD LEVEL ELEV.: N/A
ABOVE FLOOR LEVEL?:
YES: X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT NOTE 2	INTERMITTENT	N/A	REF. C	TYPE TEST & ENGR. ANAL.	NONE
TEMPERATURE (°F)	NORMAL = 104 ACC. = 104	225 to 248	REF. A	"	"	"
PRESSURE	NORMAL = ATMOS. ACC: = ATMOS.	ATMOS.	REF. A	"	"	"
RELATIVE HUMIDITY (%)	NORMAL = 100 ACC. = 100	AMB. to 100%	REF. A	"	"	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	"
RADIATION (RAD) TID GAMMA BETA	NORMAL=8.8 E02 ACC. =1.5E05 ACC. =1.0E03	1.7E06	REF. A	REF. C	TYPE TEST & ENGR. ANAL.	"
AGING	40 YEARS	40 YEARS	REF. B N/A	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	"

3017

449643

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. Anco Engineers, Inc., Report No. A-000022, Rev. 0 dated Sept. 2, 1982. V/P #8856-M407-6-2.

NOTES

1. Qualified to NUREG-0588, Cat. II requirements.
2. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event.

5D-143

(MG/P18-17)

EQDF NO: 31B
DATE: 2/25/83
REV: 4

COMPONENT: ACTUATOR, DAMPER

MANUFACTURER: ITT GENERAL CONTROL

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HDM-07552 A/B	NH-90 SERIES	SGT	CS9 (12)
HDM-07553 A/B	NH-90 SERIES	SGT	CS9 (12)
HDM-07555 A/B	NH-90 SERIES	SGT	CS9 (12)
FDM-07551 A2/B2	NH-90 SERIES	SGT	CS9 (12)
TDM-07560 A/B	NH-90 SERIES	SGT	CS9 (12)
HDM-07811 A/B	NH-90 SERIES	SGT	CS7 (12)
HDM-07812 A/B	NH-90 SERIES	CSHVAC	CS7 (12)
HDM-07813 A/B	NH-90 SERIES	CSHVAC	CS7 (12)
HDM-07814 A/B	NH-90 SERIES	CSHVAC	CS7 (12)
HDM-07841 A/B	NH-90 SERIES	CSHVAC	CS4 (21)
HDM-07842 A/B	NH-90 SERIES	CSHVAC	CS7 (21)
HDM-07882 A/B	NH-90 SERIES	CSHVAC	CS7 (21)
HDM-07545 A/B	NH-90 SERIES	RBHVAC	R2 (29)
HDM-17601 A/B	NH-90 SERIES	RBHVAC	R2 (29)
HDM-17602 A/B	NH-90 SERIES	RBHVAC	R1m (29)
HDM-17630 A/B	NH-90 SERIES	RBHVAC	R1m (29)
HDM-17657 A/B	NH-90 SERIES	RBHVAC	R1m (29)
PDDM-07554 A/B	NH-90 SERIES	RBHVAC	R1f (27)
FDM 07816 A/B	NH-90 SERIES	CSHVAC	CS8 (12)

UNIT II

HDM 27601 A/B	NH-90 SERIES	RBHVAC	R1m, 33
HDM 27602 A/B	NH-90 SERIES	RBHVAC	R1m, 33
HDM 27630 A/B	NH-90 SERIES	RBHVAC	R1k, 34
HDM 27657 A/B	NH-90 SERIES	RBHVAC	R1m, 33

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 31B

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO:

COMPONENT:
DAMPER ACTUATOR

MANUFACTURER:
AMERICAN WARMING & VENT CO.
(ITT GENERAL CONTROL)

MODEL NUMBER:

PURCHASE ORDER NO:
M336A

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.: N/A

ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT (SEE NOTE 2)	30 DAYS (SEE NOTE 3)	REF. D	REF. C	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NORM: 104 ACC: 104	150 (SEE NOTE 3)	REF. A	REF. C	"	NONE
PRESSURE INCH WG	NORM: .375 ACC: -1.5	ACC: 9	REF. A	REF. C	"	NONE
RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	ACC: 100	REF. A	REF. C	"	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	NONE	NONE	NONE
RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 7.5E07 ACC: 4.3E05	SEE NOTE 4 2.3E07 (TID)	REF. A	REF. C	SEQUENTIAL TEST	NONE
AGING	40 YRS.	50 YRS.	REF. B	REF. C	"	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	NONE	NONE

952501

688109

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11a-2 (3.11.2b-1)
C. ITT General Control Report #721.77.095 (V.P. #8856-M336A-28-1) and Addendum #5 of Report #721.77.095, VP #8856-M336A-195-1

(MG/P18-17)

NOTES

1. The damper actuator qualification meets IEEE 323-71 and NUREG-0588 Category II.

5D-145

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 31B
COMPONENT SHEET NO 2 of 2
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. FSAR Parag. 9.4.2	2. The word "intermittent" for operating time implies that the equipment is available for operation on demand during the post LOCA and normal operation. 3. The qualification test for the actuator was at 212°F, 9" WG for 6 hours, then at 150°F, 100% R.H. for 30 days. This test far exceeded the requirements for 100 days operation under accident condition at max. temperature. See calculation in Section 6.15 of the Blue Binder. 4. The attenuated total integrated dose at the location of the Damper actuator after the accident is 7.57E06 (gamma) (See related correspondence section of the Blue Binder, Section 6.1).

(MG/P18-17)

EQDF NO: 31B
DATE: 2/25/83
REV: 4

COMPONENT: RELEASE SOLENOID, BACKDRAFT ISOLATION DAMPER

MANUFACTURER: ASCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
BDID 17606A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R3, 25
BDID 17652A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1d, 28
BDID 17653A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1d, 28
BDID 17659A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1e, 28
BDID 17669A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1e, 25

UNIT II

BDID 27606A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R3, 32
BDID 27652A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1d, 34
BDID 27653A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1d, 34
BDID 27669A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1e, 32

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 31B

COMPONENT SHEET NO: 1 of 2

REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: BACKDRAFT ISOL. DAMPER; SOLENOID RELEASE/DIFFERENTIAL SWITCH MANUFACTURER: AMERICAN WARMING & VENT. CO. (ASCO) MODEL NUMBER: PURCHASE ORDER NO.: M336A FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	INTERMITTENT (SEE NOTE 3)	INTERMITTENT	REF. C	REF. D	TESTING & ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 130 ACC: SEE NOTE 5	SEE NOTES 1&2	REF. A	REF. D	"	NOTE 2
	PRESSURE	NORM: -.375"WG ACC: -8.2 PSIG	SEE NOTES 1&2	REF. A	REF. D	"	NOTE 2
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	SEE NOTES 1&2	REF. A	REF. D	"	NOTE 2
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA.	NORM: 5.3E06 ACC: 5.3E06 ACC: 1.1E06	SEE NOTE 6	REF. A	REF. D	TESTING & ANALYSIS	NONE
	AGING	40 YEARS	SEE NOTE 7	REF. B	REF. D	"	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	NONE	NONE

061110

4389

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Parag. 3.11.26.1 C. FSAR Parag. 9.4.2	1. Complete - Equipment will be qualified to NUREG-0588, Cat. II, by the first refueling outage. (Cont'd.)

5D-148

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 31B
COMPONENT SHEET NO 2 of 2
REV 0 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. CCL Report #A-443-52 (VP #8856-M415-3-2) - For Diff. Switch ANCO Report #A-000022 (VP #8856-M407-6-3) - For Solenoid Release	2. The equipment is qualified to all environmental conditions except the thermal environment due to the line break. The equipment is also being qualified by ASCO including the line break test and the qualification is scheduled to be completed by March, 1983 (See Section 6.11 and 6.12 of the blue binder). The justification for interim operation has been provided. 3. The word "Intermittent" for operating time implies that the component is available for operation on demand during normal operation and post LOCA event. 4. See V.P. #8856-M407-6-3, pages 4 and C-8 for replacement schedule of Solenoid Release. See V.P. #8856-M415-3-2, page 18 and Section 5.2.4 of Equipment Qualification Data File No. 29 for replacement schedule of switch. 5. ACC - 300°F for 15 Sec (130°F). 6. RAD - 2.0E08 for Solenoid Release. 5.7E06 for Diff. Switch 7. AGING - 19.5 years for Solenoid Release 10.0 years for Diff. Switch (See Note 4)

5D-149

(MG/P18-17)

EQDF NO: 31B
DATE: 2/25/83
REV: 4

COMPONENT: RELEASE SOLENOID, BACKDRAFT ISOLATION DAMPER

MANUFACTURER: ASCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
BDID 17603A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 27
BDID 17604A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 27
BDID 17605A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1k, 27
BDID 17609A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1k, 27
BDID 17667A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 28
BDID 17668A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 29
BDID 17670A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 28
BDID 17671A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 28
BDID 17674A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 28
BDID 17675A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 28

UNIT II

BDID 27603A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 32
BDID 27604A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 32
BDID 27605A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1k, 32
BDID 27609A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1k, 32
BDID 27668A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 34
BDID 27670A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 33
BDID 27671A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 33
BDID 27674A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 33
BDID 27675A/B	X8018A4/SB31AMR/TA31A16	RBHVAC	R1m, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 31B

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:

COMPONENT: BACKDRAFT ISOL. DAMPER SOLENOID RELEASE/ DIFFERENTIAL SWITCH

MANUFACTURER: AMERICAN WARMING & VENT CO. (ASCO)

MODEL NUMBER:

PURCHASE ORDER NO.: M336A

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.:

ABOVE FLOOD LEVEL?: YES:X NO:

4507

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	INTERMITTENT (SEE NOTE 2)	INTERMITTENT	REF. C	REF. D	TESTING & ANALYSIS	NONE
TEMPERATURE (°F)	NORM: 100 ACC: 104	248	REF. A	REF. D	"	NONE
PRESSURE INCH WG	NORM: -.25 ACC: -.25	ATMOS.	REF. A	REF. D	"	NONE
RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	AMB.	REF. A	REF.D	"	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	NONE	NONE
RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	SEE NOTE 4	REF. A	REF. D	TESTING & ANALYSIS	NONE
AGING	40 YRS.	SEE NOTE 5	REF. B	REF. D	"	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	NONE	NONE

058746

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. FSAR Para. 9.4.2

NOTES

1. Qualified to NUREG-0588, Cat. II.

5D-151

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 31B
COMPONENT SHEET NO. 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
D. CCL Report #A-443-82 (VP #8856-M415-3-2) - for Diff. Switch ANCO Report #A-000022 (VP #8856-M407-6-3) - For Solenoid Release.	2. The word "Intermittent" for operating time implies that the equipment is available for operation on demand during the Post Loca event and normal operation. 3. See V.P. #8856-M407-6-3, Pages 4 and C-8 for replacement schedule of solenoid release. See V.P. #8856-M415-3-2, page 18 and Section 5.2.4 of Equipment Qualification Data File No. 29 for replacement schedule of switch. 4. Rad - 2.0E08 for Solenoid Release 5.7E06 for Diff. Switch 5. Aging - 19.5 years for Solenoid Release 10.0 years for Diff. Switch (See Note 3.)

5D-152

(MG/P18-17)

EQDF: #32
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, CONTROL - HVAC

MANUFACTURER: COMSIP CUSTOMLINE CORP.

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC876 A,B	NONE	CSHVAC	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 32

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:
OC 876 A/B

COMPONENT:
LOCAL CONTROL PANELS

MANUFACTURER:
COMSIP CUSTOMLINE CORP.

MODEL NUMBER:

PURCHASE ORDER NO.:
8856-M334/M412

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.

ABOVE FLOOD LEVEL?: YES:X NO:

056677

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
TEMPERATURE (°F)	NORM: 104 ACC: 104	104 TO 212	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
PRESSURE	NORM: ATM. ACC: ATM.	1 ATM.	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	100	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E03	1.0E04	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
AGING	40 YEARS	SEE NOTE 2	REF. C	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

077557

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 9.4.2
C. FSAR Para. 3.11.2b.1
D. Acton Environment Qualification Report No. 17263-82C (V.P. #8856-M412-4-3) & P.O. 8856-J-05, Blue Binder No. 22B.

NOTES

1. Qualified to NUREG-0588, Cat. II.

5D-154

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 32
COMPONENT SHEET NO 2 of 2
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2.

Device I.D.	Qualified Life
States NT Terminal Block	40 Years
GE SIS Wire	40 Years
Thomas & Betts RB5103 Ring Lug	35 Years
Potter & Brumfield MDR4094 Relays	35 Years
Agastat 7014, 7012 Relays	10 Years
Limitron KTK Fuse	5 Years
Ohmite 4833 Resister	40 Years
Agastat GP Relays	10 Years
Buchanan 351, 511 Terminal Blocks	35 Years
Milwaukee 12M16-2500 Resistor Block	40 Years
Agastat EGP Relays	30 Years
GE CR 2940 Switches	40 Years
GE HFA 51A49H Relays	40 Years
GE ET-6 Lights	35 Years

EQDF: #32
Date: 2/25/83
Rev. 4

COMPONENT: PANEL, CONTROL - SGT

MANUFACTURER: COMSIP CUSTOMLINE CORP.

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
OC883 A,B	NONE	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 32

COMPONENT SHEET NO: 1 of 2

REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: OC883A/B COMPONENT: LOCAL CONTROL PANELS MANUFACTURER: COMSIP CUSTOMLINE CORP. MODEL NUMBER: PURCHASE ORDER NO.: M334/M412 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
	TEMPERATURE (°F)	NORMAL: 104 ACC: 104	104 TO 212	REF. A	"	TYPE TEST AND ENGR. ANALYSIS	NONE
	PRESSURE	NORMAL: ATM. ACC.: ATM.	1 ATM.	REF. A	"	TYPE TEST AND ENGR. ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 100 ACC.: 100	100	REF. A	"	TYPE TEST AND ENGR. ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORMAL: 8.8E02 ACC.: 1.5E03 ACC.: 1.0E03	1.0E04	REF. A	REF. D	TYPE TEST AND ENGR. ANALYSIS	NONE
	AGING	40 YEARS	SEE NOTE 2.	REF. C	"	TYPE TEST AND ENGR. ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

0394

2158

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 9.4.2 C. FSAR Para. 3.11.2b.1 D. Acton Environmental Qualification Report No. 17263-82C (V.P. 8856-M412-4-3) and P.O. 8856-J-05, Blue Binder No. 22B.	1. This equipment is qualified to NUREG-0588, Cat. II.

(MG/P18-17)

5D-157

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

COMMON

EQDF NO. 32
COMPONENT SHEET NO 2 of 2
REV 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2.

Device I.D.	Qualified Life
States NT Terminal Block	40 Years
GE SIS Wire	40 Years
Thomas & Betts RB5103 Ring Lug	35 Years
Potter & Brumfield MDR4094 Relays	35 Years
Agastat 7014, 7012 Relays	10 Years
Limitron KTK Fuse	5 Years
Ohmite 4833 Resistor	40 Years
Agastat GP Relays	10 Years
Buchanan 351, 511 Terminal Blocks	35 Years
Milwaukee 12M16-2500 Resistor Block	40 Years
Agastat EGP Relays	30 Years
GE ET-6 Lights	35 Years

5D-158

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: ALARM UNIT (Dual)

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FSL-07551A, B	745210AAAN2	SGT	CS4, 21
PDSHL07553A, B	745210AAAN2	SGT	CS4, 21
TY-07552A1	745210AAAN2	SGT	CS4, 21
TY-07552B1	745210AAAN2	SGT	CS4, 21
TDSHL-07811A, B	745210AAAN2	CSHVAC	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: ALARM UNIT (DUAL) MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE (PSIA)	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

200927

5373

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-160

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: ALARM UNIT (Single)

MANUFACTURER: BAILEY CONTROLS

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FSL-11207A, B	745110AAAN2	RHR SW	R1M, 25
FSL-07811A	745110AAAN2	CSHVAC	CS4, 21
FSL-07811B	745110AAAN2	CSHVAC	CS6, 21
PDSL-07550A, B	745110AAAN2	SGT	CS4, 21
PDSL-07554A1, A2, A3	745110AAAN2	SGT	CS4, 21
PDSL-07554B1, B2, B3	745110AAAN2	SGT	CS4, 21
PDSH-07814A	745110AAAN2	CSHVAC	CS4, 21
PDSH-07814B	745110AAAN2	CSHVAC	CS6, 21
PDSL-07553A, B	745110AAAN2	SGT	CS4, 21
TDSL-07552A, B	745110AAAN2	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34

COMPONENT SHEET NO:1 of 1

REV. 4 DATE:2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: ALARM UNIT (SINGLE) MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: ±1.2 DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

139845

971240

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b-1	1) COMPLETE - The qualification tests for the Bailey Alarm Unit have been committed and are scheduled to be completed by first refueling.

5D-162

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: CABLE

MANUFACTURER: BAILEY CONTROLS

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
NONE	763100TABN1	RHRSW	R1M, 25
NONE	763100TABN1	RCIC	R1M, 25
NONE	763100TABN1	RHR	R1M, 25
NONE	763100TABN1	NB	R1M, 25
NONE	763100TABN1	CSHVAC	R1M, 21
NONE	763100TABN1	SGT	R1M, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
CABLE
MANUFACTURER:
BAILEY CONTROLS
MODEL NUMBER:
PURCHASE ORDER NO.:
J03C
FUNCTION/SERVICE:
ACCURACY: SPEC: N/A
DEMO:
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV.:
ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
RADIATION (RAD) GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

951527

321374

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Section 3.11.2b.1

NOTES

1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-164

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: CONTROLLERS

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FIC14903	701002AABN1	RCIC	R1M, 25
PDIC07550A, B	701002AABN1	SGT	CS4, 21
TDIC07552A, B	701002AAAN1	SGT	CS4, 21
TIC07552A, B	701002AAAN1	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
COMPONENT: CONTROLLERS	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS MODEL NUMBER:	PRESSURE (PSIA)	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PURCHASE ORDER NO.: J03C	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV.:	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

321842

447966

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-166

(MG/P18-17)

EQDF NO: 34
DATE: 4/11/83
REV: 5

COMPONENT: CONVERTOR/ISOLATOR

MANUFACTURER: BAILEY

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
TT-07811A, B	740311CAAN2	CSEOAS	CS4, 21
TT-07814A, B	740311CAAN2	CSEOAS	CS4, 21
TT15725B	740311CAAN2	CAC	R1M, 25
TT15790B2	740311CAAN2	CAC	R1M, 25
TT07551A, B	740311CAAN2	SGT	CS4, 21
TT07552A1, B1	740311CAAN2	SGT	CS4, 21
TT07552A2, B2	740311CAAN2	SGT	CS4, 21
FY11207A1	740111AAAN2	RHRSW	R1M, 25
FY11207B	740111AAAN2	RHRSW	R1M, 25
SY15001B	740111AAAN2	RCIC	R1M, 25
FY14903A	740111AAAN2	RCIC	R1M, 25

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: CONVERTER/ISOLATOR MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100 100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM.:8.8E02 ACC.: 1.5E04 ACC.: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

140345

442274

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-168

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: EXTRACTOR, SQUARE ROOT

MANUFACTURER: BAILEY CONTROLS

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FY-14903	750010AAAN2	RCIC	R1n, 25
FY-15105	750010AAAN2	RHR	R1n, 25
FY-07551 A, B	750010AAAN2	SGT	CS4, 21
FY-07555	750010AAAN2	SGT	CS4, 21
FY-07816 A1	750010AAAN2	CSHVAC	CS4, 21
FY-07816 B1	750010AAAN2	CSHVAC	CS6, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34

COMPONENT SHEET NO: 1 of 1

REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: EXTRACTOR SQUARE ROOT MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC.: ±1.2% DEMO.: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC.: 1.5E04 ACC.: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

688740

5465

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

(MC/P18-17)

5D-170

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: INDICATOR

MANUFACTURER: BAILEY CONTROLS

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
FI-11207B	775121ABBN2	RHRSW	R1m, 25
FI-14903	775121ABBN2	RCIC	R1m, 25
FI-15105	775121ABBN2	RHR	R1m, 25
LI-14262	775121ABBN2	NB	R1m, 25
LI-15776B2	775121ABBN2	CAC	R1m, 25
PI-14262	775121ABBN2	NB	R1m, 25
PI-15728B	775121ABBN2	CAC	R1m, 25
SI-15001B	775121ABBN2	RCIC	R1m, 25
TI-15725B	775121ABBN2	CAC	R1m, 25
TI-15751	775121ABBN2	CAC	R1m, 25
TI-15752	775121ABBN2	CAC	R1m, 25
TI-15790B2	775121ABBN2	CAC	R1m, 25
FI-07555	775121ABBN2	SGT	CS4, 21
TI-07551A, B	775121ABBN2	SGT	CS4, 21
TI-07552A1, B1	775121ABBN2	SGT	CS4, 21
TI-07811A	775121ABBN2	CSHVAC	CS4, 21
TI-07811B	775121ABBN2	CSHVAC	CS6, 21
TI-07814A	775121ABBN2	CSHVAC	CS4, 21
TI-07814B	775121ABBN2	CSHVAC	CS6, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: INDICATOR MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	REF. A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

045544

.900036

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-172

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: POWER SUPPLY

MANUFACTURER: BAILEY CONTROLS

UNIT I.& COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/1C-201 A, B	8080B02P008	Remote Shutdown	R1m, 25
None, w/0C-883 A, B	8080B02P008	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
COMPONENT: POWER SUPPLY	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MODEL NUMBER: PURCHASE ORDER NO.: J03C	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

5338

5234

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-174

(MG/P18-17)

EDQF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: RACK

MANUFACTURER: BAILEY CONTROL

UNIT I & COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/IC-201 A, B	761000AAAN1	Remote Shutdown	R1m, 25
None, w/OC-883 A, B	761000AAAN1	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: RACK MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

141097

248450

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-176

(MC/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SELECTOR, SIGNAL

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
PDY-07554 A, B	747010AAAN2	SGT	CS4, 21
TY-07552 A, B	747010AAAN2	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
COMPONENT: SELECTOR, SIGNAL	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS MODEL NUMBER:	PRESSURE (PSIA)	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PURCHASE ORDER NO.: J03C	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ACCURACY: SPEC: DEMO:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV.:	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

5573

3528

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-178

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SET STATION

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HIC07555A, B	714000AAAN2	SGT	CS4, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: SET STATION MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

139856

201815

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1) COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-180

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SHELF - 3 UNIT

MANUFACTURER: BAILEY CONTROLS

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/IC-201B	762030AAAN1	GUE	R1m,25

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: SHELF - 3 UNIT MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4003

4559

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-182

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SHELF - 4 UNIT

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/OC883A,B	762040AAAN1	SGT	CS4,21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
COMPONENT: SHELF - 4 UNIT	TEMPERATURE (°F)	NORM: 104 ACC: 104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS MODEL NUMBER:	PRESSURE psia	NOR: ATMOS. ACC: ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PURCHASE ORDER NO.: J-03C	RELATIVE HUMIDITY (%)	NOR: 100 ACC: 100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ELEC. SWITCH	CHEMICAL SPRAY	N/A	N/A	REF. A	N/A	N/A	NONE
ACCURACY: SPEC: DEMO:	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 1.5E03 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
LOCATION: AREA: ELEV.: ROOM: ----	AGING	40 YEARS	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES: NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

934478

0407

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-184

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SHELF - 7 UNIT

MANUFACTURER: BAILEY CONTROLS

UNIT-I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/IC-201A, B	762070AAAN1	GUE	R1m,25

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 34

COMPONENT SHEET NO: 1 of 1

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: SHELF - 7 UNIT MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

059781

3977

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-186

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SIGNAL RESISTIVE UNIT

MANUFACTURER: BAILEY CONTROLS

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/1C201A	766100BAAN2WCE	GUE	Rlm,25
None, w/1C201B	766100BAAN2WCD	GUE	Rlm,25

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: SIGNAL RESISTIVE UNIT MANUFACTURER: BAILEY CONTROLS MODEL NUMBER: PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

002064

4644

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-188

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SIGNAL RESISTIVE UNIT

MANUFACTURER: BAILEY CONTROLS

UNIT I-& COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/0C876A	766100BAAN2	CSEOAS	CS4,21
None, w/0C876B	766100BAAN2	CSEOAS	CS6,21
None, w/0C883A,B	766100BAAN2	SGT	CS4,21
None, w/1C201A,B	766100BAAN2	GUE	R1m,25

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & COMMON

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
COMPONENT: SIGNAL RESISTIVE UNIT	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS MODEL NUMBER:	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PURCHASE ORDER NO.: J03C	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV.:	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

442176

6305

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-190

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 4

COMPONENT: SUMMER/SCALAR

MANUFACTURER: BAILEY CONTROLS

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
PDY07550 A, B	752410AAAN2	SGT	CS4, 21
TDY07552 A, B	752410AAAN2	SGT	CS4, 21
TY07552 A1, B1	752410AAAN2	SGT	CS4, 21
TDY07811 A, B	752410AAAN2	CSEOAS	CS6, 21

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

COMMON

EQDF NO. 34

COMPONENT SHEET NO:1 of 1

REV. 4 DATE:2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
COMPONENT: SUMMER/SCALAR	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
MANUFACTURER: BAILEY CONTROLS MODEL NUMBER:	PRESSURE (PSIA)	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
PURCHASE ORDER NO.: J03C	RELATIVE HUMIDITY (%)	100	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E03 ACC: 1.0E02	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
FLOOD LEVEL ELEV.:	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

145251

5372

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-192

(MG/P18-17)

EQDF NO: 34
DATE: 2/25/83
REV: 0

COMPONENT: VOLTAGE DIVIDER

MANUFACTURER: BAILEY CONTROLS

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
None, w/FY-11207A1	6200K60G0700	RHRSW	R1m,25
None, w/FY-11207B	6200K60G0700	RHRSW	R1m,25
None, w/FY-14903A	6200K60G0700	RCIC	R1m,25
None, w/SY-15001B	6200K60G0700	RCIC	R1m,25

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1

EQDF NO. 34
COMPONENT SHEET NO: 1 of 1
REV. 0 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: VOLTAGE DIVIDER MANUFACTURER: BAILEY CONTROLS PURCHASE ORDER NO.: J03C FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	104	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE	ATMOS.	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	90	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

200351

9294

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1	1. COMPLETE - The qualification tests have been committed and are scheduled to be completed by first refueling.

5D-194

(MG/P18-17)

EQDF NO: 35
DATE: 4/11/83
REV: 0

COMPONENT: MOTOR PUMP, ANALYZER H_2O_2

MANUFACTURER: RELIANCE

UNIT 1

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C-226A/B	IYF882640AZONE	CAC	R1k, 27, 28

UNIT II

2C-226 A/B	IYF882640AZONE	CAS	R1k, 32, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 35

COMPONENT SHEET NO: 1 of 1

REV. 0 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO. COMPONENT: MOTOR PUMP, ANALYZER H_2O_2 MANUFACTURER: RELIANCE MODEL NUMBER: PURCHASE ORDER NO.: J17 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES: NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	TYPE TESTING	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	100 340	REF. A	REF. C	TYPE TESTING	NONE
	PRESSURE	NOR: -.25"WG ACC: -.25"WG	ATMOS.	REF. A	REF. C	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 90	90	REF. A	REF. C	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 1.5E04 ACC: 4.5E05 TID: 4.7E05	1.0E09	REF. A	REF. C PAGE 21	TYPE TESTING	NONE
	AGING	40 YEARS	40 YEARS	REF. A	REF. C	TYPE TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

6240

141115

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b-1 C. Reliance Electric Company Summary Report Nuclear Power Motor Systems Type Test Support Analysis - Random Wound Motors, NUC 9 - July 1, 1978, and Supplement. (Bechtel dwg. 8856-J17-68-2, -69-2)	1. The motor is qualified to NUREG-0588, Category II.

5D-196

EDQF NO.: 35
DATE: 4/11/83
REV: 0

COMPONENT: PANEL, ANALYZER, H_2O_2

MANUFACTURER: COMSIP, INC.

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C226A/B	K-1V	CAC	R1k, 27, 28

UNIT II

2C226A/B	K-1V	CAC	R1k, 32, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 35

COMPONENT SHEET NO: 1 of 1

REV. 0 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: PANEL, ANALYZER H_2O_2 MANUFACTURER: COMSIP, INC. MODEL NUMBER: PURCHASE ORDER NO.: J-17 FUNCTION/SERVICE: ACCURACY: SPEC: ±2.5% DEMO: SEE PAGE 23 TO 27 OF TEST REPORT (REF. C) LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES: NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	TYPE TESTING	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	116	REF. A	REF. C	TYPE TESTING	NONE
	PRESSURE	NOR: -.25"WG ACC: -.25"WG	ATMOS. 29.92 ABS.	REF. A	REF. C	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 90	90	REF. A	REF. C	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 1.5E04 ACC: 4.5E05	GAMMA: 1.0E06	REF. A	REF. C	TYPE TESTING	NONE
	AGING	TID: 4.7E05 40 YEARS	NOTE 2	REF. B	REF. C	TYPE TESTING	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

951719

951824

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b-1 C. Comsip, Inc. Test Report 1035-1 dated 9/81, Bechtel V/P 8856-J-17-56-3 and Comsip, Inc. Test Report 1035-8 dated 9/82. Bechtel V.P. 8856-J17-74-1.	1. The Panel is qualified to NUREG 0588, CategoryII 2. For maintenance and replacement schedule of individual components in panel, see Ref. C Appendix D. Table D-1.

5D-198

EQDF NO: 35
DATE: 4/11/83
REV: 0

COMPONENT: PUMP, ANALYZER H_2O_2

MANUFACTURER: COMSIP, INC.

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
1C-226 A/B	11706	CAC	R1k, 27, 28

UNIT 2

2C-226 A/B	11706	CAC	R1k, 32, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 35

COMPONENT SHEET NO: 1 of 2

REV. 0 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO. COMPONENT: PUMP, ANALYZER H_2O_2 MANUFACTURER: COMSIP, INC. MODEL NUMBER: PURCHASE ORDER NO: J17 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV. N/A ABOVE FLOOD LEVEL?: YES: NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C & F	TYPE TESTING	NONE
	TEMPERATURE (°F)	NOR: 100 ACC: 104	150 (NOTE 3)	REF. A	REF. C & F	TYPE TESTING	NONE
	PRESSURE	NOR: -.25"WG ACC: -.25"WG	ATMOS. 60 PSIG	REF. A	REF. C & F	TYPE TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 90	90	REF. A	REF. C & F	TYPE TESTING	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NOTE 2	PUMP: 1.0E06 DIAPH: 1.0E08	NOTE 4 REF. A & E	REF. C & F	TYPE TESTING	NONE
	AGING	40 YEARS	4 YEARS NOTE 5 & 6	REF. B	REF. C & D	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

635615

4796

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b-1 C. Lewis Control System Test Report dated 7/82 V.P. #8856-J17-76-1 D. Instruction Manual 8856-J17-65-1 Section 5.3.	1. The pump qualification is complete. The diaphragm needs to be replaced. The replacement will be done through Unit 1 DCP per DCR 10032.

5D-200

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 of 2

EQDF NO. 35
COMPONENT SHEET NO 2 of 2
REV. 0 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. IOM dated June 18, 1982. (DCN #170095).	2. Doses for pump are-Gamma: Norm: 8.8E02 Acc: 1.5E04 Beta: Acc: 4.5E05 Doses for diaphragm-TID: Acc: 5.6E07 (Gamma Plus Beta) (see Documentation Ref. "E") 3. Sample pump could draw samples from the containment with temperatures reaching 340°F, initially. These hot samples are cooled to 150°F by a heat exchanger before they reach the pump. 4. Dosages shown for the diaphragm are not derived from the FSAR Table 3.11-6. Nuclear Staff performed a calculation for Post Accident TID for 180 days. See memo from D. T. Dexheimer to J. Saame dated 6-18-82 which is filed in correspondence (Section 6.0 of this Binder). 5. The qualified life of the pump diaphragm is based upon a continuous operating temperature of 100°F ambient, plus 16°F internal temperature rise, plus 150°F of the hot gas samples. This totals to a operating rating of 266°F. Using the regression line, figure 2, of V.P. #8856-J17-76-1 the replacement life equals 4 years. 6. The calculated life of the "PUMP" of 4 years is based on operating the analyzer panel intermittently during normal operation plus continuous operation during LOCA, alternatively, for continuous service for 200 days. See Compsip Inc.'s Instruction Manual 8856-J-17-65-1 Section 4.1. Note (A).

EQDF: #37
Date: 2/25/83
Rev. 4

COMPONENT: RESISTANCE TEMPERATURE DETECTOR, SPOTMOS

MANUFACTURER: ROSCOE KENT/HY-CAL

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
TE-15751 THROUGH TE-15770	RTS-41	CAC	C3, 26

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 37

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: RESISTANCE TEMPERATURE DETECTOR (RTD) MANUFACTURER: HY-CAL MODEL NUMBER: PURCHASE ORDER NO.: J51B/D FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	NORM: CONTINUOUS ACC: 100 DAYS	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	TEMPERATURE (°F)	NORM: 125 ACC: NOTE 2	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	PRESSURE (psig)	NORM: 1.5 ACC: NOTE 2	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	RELATIVE HUMIDITY (%)	NORM: 100 ACC: NOTE 2	NOTE 1	REF. A	NOTE 1	TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	REF. A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORM: 3.5E04 ACC: 2.7E07 ACC: 1.9E09	NOTE 1 & 3	REF. A	NOTE 1	TEST	NOTE 1
	AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	TEST	NOTE 1
	SUBMERGENCE	NOTE 4	N/A	REF. C	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6 B. FSAR Section 3.11.2b.1 C. Design Assessment Report, Vol. I, Pages 4-11.	1. COMPLETE - TESTING IN PROGRESS. Justification for interim operation is included in this report.

5D-203

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2) Accident Conditions

TIME	PRESSURE (psig)	TEMP. (°F)	R.H.(%)
0-45 sec.	29	130	100
45 sec. - 3 hr.	30	200	100
3 hr. - 6 hr.	30	210	100
6 hr. - 30 hr.	15	200	100
30 hr.-150 hr.	10	200	100
150 hr.-100 day	10	140	100

3) Device has no exposed organic materials. It is not susceptible to Beta radiation.

4) Connection head is above elevation 691'-6" maximum pool elevation (including swell) is 690'-2". All RTD components below this elevation are continuous steel tubing.

EQDF NO: 38
DATE: 4/11/83
REV: 5

COMPONENT: TRANSMITTER, PRESSURE/LEVEL

MANUFACTURER: ITT BARTON

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
PT-22643	763	CAC	R1m, 33
PT-22648	763	IG	R1k, 30
PT-25709 A, B	763	CAC	R1m&c, 32/30
PT-25702	764	CAC	R1m, 32
PT-25728 A, A1	764	CAC	R1k, 32
PT-25710 A, B	764	CAC	R1k, 32
LT-25775 A, B	764	CAC	R1a, 30
LT-25776 A, B	764	CAC	R1a, 32/30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 2

EQDF NO. 38

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: GAGE PRESSURE TRANSMITTER MANUFACTURER: ITT BARTON MODEL NUMBER: 763, 764 PURCHASE ORDER NO: J56A FUNCTION/SERVICE: SUPPRESSION POOL PRESSURE ACCURACY: SPEC: ±0.5% OF SPAN DEMO: ±0.5% OF SPAN LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV: ABOVE FLOOD LEVEL?: N/A YES: NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	SEQUENTIAL TEST/ENGR. ANALYSIS	NONE
	TEMPERATURE (°F)	NORMAL: 115 ACCID: 130 (300 FOR 60 SEC)	122°F SEE NOTE 2	REF. A	REF. C	SEQUENTIAL TEST/ENGR. ANALYSIS	NONE
	PRESSURE	NOR: -.375"WG ACC: -.25"WG (2.2 PSIG FOR 60 SEC)	75 PSIG	REF. A	REF. C	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	NOR: 90% ACC: 100%	100%	REF. A	REF. C	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E04 ACC: 1.7E06 1.1E06	2.0×10^8 RADS	REF. A	REF. C	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C	SEQUENTIAL TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

9633

5950

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b-1 C. Vendor Print 8856-J56A-20-1	1. The equipment is qualified to NUREG-0588 Cat. I

5D-206

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. LOCA TEST PARAMETERS

V.P. 8856-J56A-21-1, Appendix I, Page 51 and 52

TIME	TEMP.	PRESSURE	CHEM. SPRAY
0-5 Min.	420°F	75 psig	-
5 Min. - 1 Hr.	340°F	75 psig	-
1 Hr. - 24 Hr.	340°F-250°F @ - 4°F/Hr.	75 psig	-
24 Hr. - 15 Days	250°F	15 psig	-
16 Days-100 Days	200°F	-	-

EQDF NO: 39
DATE: 2/25/83
REV: 4

COMPONENT: TRANSMITTER, PRESSURE

MANUFACTURER: ROSEMOUNT

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
LT-15312	1153B	NBS	R1m, 27
LT-15775 A, B	1153B	CAC	R1a, 27
LT-15776 A, B	1153B	CAC	R1a, 27
PT-12643	1153B	IG	R1m, 29
PT-12648	1153B	IG	R1k, 25
PT-14262	1153B	NBS	R1m, 29
PT-15702	1153B	CAC	R1m, 27
PT-15709 A	1153B	CAC	R1m, 29
PT-15709 B	1153B	CAC	R1c, 28
PT-15710 A	1153B	CAC	R1k, 27
PT-15710 B	1153B	CAC	R1k, 28
PT-15728 A	1153B	CAC	R1k, 27

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1

EQDF NO. 39
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C & D	SEQUENTIAL TEST/ENGR. ANALYSIS	NONE
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE (°F)	NORM: 100 ACC: 130	SEE NOTE 2	REF. A	REF. C & D	SEQUENTIAL TEST/ENGR. ANALYSIS	NONE
MANUFACTURER: ROSEMOUNT	PRESSURE	NORM: +.125 ACC: +.125	1938" (70 PSIG)	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
MODEL NUMBER: PURCHASE ORDER NO.: J56B	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
FUNCTION/SERVICE: ACCURACY: SPEC: DEMO:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION: AREA: ELEV.: ROOM:	RADIATION (RAD) TID GAMMA BETA	NORM: 8.8E02 ACC: 4.9E04 ACC: 1.1E06	2.4E07	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
FLOOD LEVEL ELEV.: N/A	AGING	40 YEARS	10 YEARS	REF. B	REF. C & D	SEQUENTIAL TEST	NONE
ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

7470

056698

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11-2b-1 C. Vendor Print 8856-J56B-3-2 Qualification Report Model 1153 Series B D. Vendor Print 8856-J56B-2-2 Supplemental Type Test Report	1. COMPLETE - Transmitter will be qualified by first refueling. For further information see J10 section of this report.

5D-209

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1

EQDF NO. 39
COMPONENT SHEET NO. 2 of 2
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	2. Temperature: 303°F/10 min. 110°F/3 hrs. 303°F/8 hrs. 250°F/56 hrs. Room Temp.

(MG/P18-17)

EQDF NO: 40
DATE: 2/25/83
REV: 4

COMPONENT: RTD, PLATINUM

MANUFACTURER: ROSEMOUNT

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
TE-07551 A, B	88-14-1	SGT	Cs9, 12
TE-07552 A1,A2,B1,B2	88-14-13	SGT	Cs9, 12
TE-07811 A, B	88-14-1	CSHVAC	Cs7, 12
TE-07814 A, B	88-14-1	CSHVAC	Cs7, 12
TE-08621 A, B	88-13-25	CSHVAC	Cs4, 21

UNIT I

TE-15725	88-14-1	CAC	C3, 26
TE-15790 A, B	88-14-1	CAC	C2b, 26
TE-15799 A, B	88-14-1	CAC	C2c, 26

UNIT II

TE-25725	88-14-1	CAC	C3, 31
TE-25790 A, B	88-14-1	CAC	C2b, 31
TE-25799 A, B	88-14-1	CAC	C2c, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 40
COMPONENT SHEET NO: 1 of 3
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT: RTD
MANUFACTURER: ROSEMOUNT
MODEL NUMBER:
PURCHASE ORDER NO.: J-59
FUNCTION/SERVICE:
ACCURACY: SPEC: NOTE 6
DEMO: $\pm 0.3^{\circ}$ @ $0^{\circ}C$
$\pm 1.0^{\circ}$ @ $200^{\circ}C$
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV.:
ABOVE FLOOD LEVEL?: YES:X NO: NOTE 7

746311

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, D	LOCA TEST	NONE
TEMPERATURE (°F)	NORM: 185 ACC: NOTE 4	NOTE 3	REF. A	REF. C, D	LOCA TEST	NONE
PRESSURE psig	NORM: 1-1.5 ACC: NOTE 4	NOTE 3	REF. A	REF. C, D	LOCA TEST	NONE
RELATIVE HUMIDITY (%)	100%	100%	REF. A	REF. C	LOCA TEST	NONE
CHEMICAL SPRAY	N/A	CAUSTIC SPRAY	REF. A	REF. C	LOCA TEST	NONE
RADIATION (RAD) TID GAMMA BETA	NOR: 3.4E06 TOTAL: 7.5E07 NOTE 5	2.0E08 GAMMA	REF. A	REF. C&E	GAMMA RADIATION	NONE
AGING	40 YEARS	NOTE 2 40 YEARS	REF. B	REF. D	ANALYSIS	NONE
SUBMERGENCE	N/A	N/A	N/A	NONE	N/A	NONE

114426

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Section 3.11.2b.1
C. Rosemount Test Report 2767 Rev. B (V.P. 8856-J59-103).
D. EDS Report Discussion, Section 3 of the Qualification Binder, Page 15

NOTES

1. Qualified to NUREG-0588 Category II.

(Cont'd.)

5D-212

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. See telecon dated 10-22-82 in Comments Section-5.	2. RTD materials consist of stainless steel (housing), platinum (sensor), ceramic (spacers), Kapton (wire insulation), and ethylene propylene (O-ring). Kapton and ethylene propylene are subject to aging effects. Both are qualified for in excess of 40 years.

3. LOCA test parameters:

Time	Conditions
0	Ambient
7 min.	125 psia, 340°F, caustic spray
17 min.	125 psia, 340°F, caustic spray
8 hrs.	70 psia, 340°F, caustic spray
50 hrs.	20 psia, 228°F
51 hrs.	Ambient

See Ref. D, Page 15 for a comparison of test parameters to FSAR requirements.

4. Temperature/Pressure Requirements:

Time	Temperature (°F)	Pressure (psig)
0-45 sec.	340	44
45 sec.-3 hrs.	340	35
3 hrs.-6 hrs.	320	35
6 hrs.-24 hrs.	250	20
1 day-100 days	200	10

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 40
COMPONENT SHEET NO 3 of 3
REV. 6 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	5. Beta Radiation 7.4E08. Ethylene Propylene O-Ring is completely nested between the cover and the base of the RTD head assembly. When the cover is tightly closed, there is metal to metal contact between the cover and base, leaving no air gap for the O-Ring to be exposed to Beta radiation. 6. Per paragraph 9.1.1 of Spec. J-59, standard curve for platinum. 7. The only instrument subject to submergence is not required to function in a post LOCA environment, therefore, qualification for submergence and post DBE operation is not required.

EQDF NO: 40B
DATE: 4/11/83
REV: 0

COMPONENT: RTD

MANUFACTURER: CONAX

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
TE-25790A	7349-10000-01	CAC	C2b, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 2

EQDF NO. 40B
COMPONENT SHEET NO: 1 of 2
REV. 0 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:
CONT. ATMOS.

PLANT I.D. NO.

COMPONENT:
RTD

MANUFACTURER:
CONAX

MODEL NUMBER:

PURCHASE ORDER NO.:
J59C

FUNCTION/SERVICE:

ACCURACY: SPEC: ±1.0°F@32°F
DEMO: ±1.5°F@212°F

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV: 705'-8"

ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	LOCA TEST	NONE
TEMPERATURE (°F)	NOR: 150 ACC: NOTE 4	165°F NOTE 3	REF. A	"	"	"
PRESSURE PSIG	NOR: 1.5 ACC: NOTE 4	NOTE 3	REF. A	"	"	"
RELATIVE HUMIDITY (%)	90	100%	REF. A	"	"	"
CHEMICAL SPRAY	DEMIN. WATER	CAUSTIC SPRAY	REF. A	"	"	"
RADIATION (RAD) TID GAMMA BETA	BETA:ACC:7.4E08 GAMMA:NOR:1.4E07 TID: 4.0E07	2.0E08 GAMMA NOTE 5	REF. A	"	SEQUENTIAL TEST	"
AGING	40 YEARS	40 YRS. NOTE 2	REF? B	"	ANALYSIS	"
SUBMERGENCE	N/A	N/A	N/A	NONE	N/A	"

944387

4859

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Parag. 3.11.2b.1
C. CONAX Test Report IPS-798 REV. ORIG. (V.P. 8856-J59C-11-1)

NOTES

1. This equipment is qualified for a harsh environment per NUREG-0588, Category I.

(Cont'd)

5D-216

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 2

EQDF NO. 40B
COMPONENT SHEET NO. 2 of 2
REV. 0 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)

*Equivalent to 552 days at 200°F per Vendor report Ref. C (IPS-798 page 7, para. 15.3.1)

NOTES (CONT.)

2. RTDs consist of Platinum, Stainless Steel, Nickel Plated Cast Iron, Ceramic, Kapton and Viton. Kapton and Viton are subject to aging effects, both are qualified for 40 years.

3. Hi-Energy Line Break Test

Time	Conditions
0	Ambient
0-10 min.	415°F, 70 psig
10-60 min.	355°F, 70 psig

3a. Loca Test Parameters

Time	Conditions	Caustic Spray
0-2 min.	342°F 70 psig	
2-10 min.	316°F 70 psig	
10 min.-6 hrs.	355°F 44 psig	
1-17 days	265°F 30 psig*	

4. Temperature/Pressure Requirements:

Time	Temperature (°F)	Pressure (psig)
0-45 sec.	340	44
45 sec. - 3 hrs.	340	35
3 hrs. - 6 hrs.	320	35
6 hrs. - 24 hrs.	250	20
1 day - 100 days	200	10

5. Beta radiation 7.4E08. Viton O-Ring is completely nested between the base of the RTD head. When the cover is screwed closed there is metal to metal contact between the cover and the base, leaving no air gap for the O-Ring to be exposed to beta radiation.

(MG/P18-17)

EQDF NO: 41
DATE: 2/25/83
REV: 4

COMPONENT: ACCELEROMETER

MANUFACTURER: TEC

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
VE14180 A1 thru VE14180 A8	424-ISO-TEC	NBS	C2e, 26
VE14180 B1 thru VE14180 B8	424-ISO-TEC	NBS	C2e, 26

UNIT II

VE24180 A1 thru VE24180 A8	424-ISO-TEC	NBS	C2e, 31
VE24180 B1 thru VE24180 B8	424-ISO-TEC	NBS	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO: 1 of 3
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: SRV POSITION INDICATION SYSTEM PLANT I.D. NO.: VE-14180A1 THRU VE-14180A8, VE-14180B1 THRU VE-14180B8 COMPONENT: PIEZOELECTRIC ACCELEROMETER MANUFACTURER: BOLT BERENEK & NEWMAN (BBN) MODEL NUMBER: PURCHASE ORDER NO.: J-63 FUNCTION/SERVICE: FLOW DETECTION IN CONTAINMENT ACCURACY: SPEC: ±10% DEMO: ±10% LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV: 705-8" ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS NOTE 2	CONTINUOUS	REF. A & B	REF. C, E & F	TESTING	NONE
	TEMPERATURE (°F)	NORMAL: 90-150 ACC : NOTE 3	NORM: 150 ACC: NOTE 5	REF. A & B	"	TESTING	"
	PRESSURE (psig)	NOR: 0.1-1.5 ACC: NOTE 3	NOR: ATMOS. ACC: NOTE 5	REF. A & B	REF. C & E	TESTING	"
	RELATIVE HUMIDITY (%)	NOR: 20-90 ACC: 100%	NOR: AMBIENT ACC: 100%	REF. A & B	REF. C	TESTING	"
	CHEMICAL SPRAY	DEMINERALIZED WATER	NOTE 7	REF. D	REF. C	TESTING	"
	RADIATION (RAD) TID GAMMA BETA	SEE NOTE 4 2.7E07 1.43E09	GAMMA: 2.22×10^8 BETA: NOTE 6	REF. A REF. B	REF. C	TESTING/ ANALYSIS	"
	AGING	40 YEARS	NOTE 8	REF. A & B	REF. C & F	TESTING	"
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

686138

620998

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 Revision 30 B. FSAR Section 3.11.2b.1 (Cont'd.)	1. Equipment is qualified to NUREG-0588, Cat. I. (Cont'd.)

5D-219

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

C. Technology for Energy Corporation's "Final Qualification Test Report for Environmental and Seismic Testing of the TEC Valve Flow Monitoring System" (TEC Document 517-TR-03) Revision 2. Vendor Print 8856-J-63-32-4. Refer to the "Reports" Section of EQDF #41.

D. FSAR Section 5.4.7.1.1.4.

E. TEC's "BWR LOCA/MSLB Qualification of TEC 1414 VFM Containment Equipment" (TEC Document 517-TR-05). Vendor Print 8856-J-63-59-2. Refer to the "Reports" section of EQDF #41.

F. TEC letter to Bechtel dated 5/24/82, DCN-00169551.

NOTES (CONT.)

2. The SRV Position Indication System is not needed for the full 100-day postulated accident duration. It has been determined that its functionality is needed for up to 30 days after a DBA event. Accordingly, one of the qualification's objectives was to qualify the SRV Position Indication System for a 30-day post DBA. Refer to Page 1 of Attachment 1 of Technical Specification 8856-J-63.

3.

TIME	PRESSURE(psig)	TEMPERATURE(°F)	HUMIDITY(%)
0-45 sec	44	340	100
45 sec - 3 hr	35	340	100
3 hr - 6 hr	35	320	100
6 hr - 24 hrs	20	250	100
24 hr - 100 days	10	200	100

4. Includes 40 years of normal operation plus 180 days of accident duration.

5. The LOCA test as reported on Reference E envelopes the temperature and pressure DBA requirements for the SSES.

6. As stated in Figure 8-6 (Isodermix Radiation Certification), Page 8-32 of Reference C, the Accelerometer specimens were irradiated to a total integrated dose of 2.22×10^8 rads. Furthermore, the accelerometers under consideration are hermetically sealed with a 304 stainless steel case. Therefore, Beta radiation would not cause significant degradation.

7. The concentration and dosage of the chemical spray used during the Qualification effort are listed in Tables 8.7 and 8.8 on page 8-20 of Reference C.

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO. 3 of 3
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	8. The instruments under consideration are qualified to an equivalent life of 3.5 years, at an operating temperature of 150°F. See Reference F.

(MG/P18-17).

EQDF NO: 41
DATE: 2/25/83
REV: 4

COMPONENT: CABLE ASSEMBLY

MANUFACTURER: TEC

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
N/A	424-C2	NBS	C2e, 26

UNIT II

N/A	424-C2	NBS	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: SRV POSITION INDICATION SYSTEM PLANT I.D. NO: N/A COMPONENT: CABLE ASSEMBLY MANUFACTURER: TECHNOLOGY FOR ENERGY CORP. MODEL NUMBER: PURCHASE ORDER NO.: J-63 FUNCTION/SERVICE: SIGNAL TRANSMISSION/INCONTAINMENT ACCURACY: SPEC: ±10% DEMO: ±10% LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV: 705'-8" ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS NOTE 2	CONTINUOUS	REF. A REF. B	REF. C, F & G	TESTING	NONE
	TEMPERATURE (°F)	NORMAL: 90-150 ACC : NOTE 3	NORM: 150 ACC: NOTE 5	"	"	TESTING	NONE
	PRESSURE (psig)	NOR: 0.1-1.5 ACC: NOTE 3	NOR: ATMOS. ACC: NOTE 5	"	REF. C & F	TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 20-90 ACC: 100%	NOR: AMBIENT ACC: 100%	"	REF. C	TESTING	NONE
	CHEMICAL SPRAY	DEMINERALIZED WATER	NOTE 7	REF. D	REF. C	TESTING	NONE
	RADIATION (RAD) TID GAMMA BETA	SEE NOTE 4 2.7E07 1.43E09	GAMMA: 2.22×10^8 BETA: NOTE 6	REF. A REF. B	REF. C REF. E	TESTING/ ANALYSIS	NONE
	AGING	40 YEARS	NOTE 8	"	REF. C & G	TESTING	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

046525

249591

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 Revision 30 B. FSAR Section 3.11.2b.1 C. Technology for Energy Corporation's "Final Qualification Test Report for Environmental and Seismic Testing of the TEC (Cont'd).	1. Equipment is qualified to NUREG-0588, Cat. I.

5D-223

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

Valve Flow Monitoring System" (TEC Document 517-TR-03) Revision 2. Vendor Print 8856-J-63-32-4. Refer to the "Reports" Section of this Binder.

D. FSAR Table 5.4.7.1.1.4.

E. EQPM No. 435 found in the "Comments" section of this binder.

F. TEC's "BWR LOCA/MSLB Qualification of TEC 1414 YFM Containment Equipment" (TEC Document 517-TR-05). Vendor print 8856-J-63-59-2. Refer to the "Reports" section of this binder.

G. TEC letter to Bechtel dated 5/24/82, DCN-00169551.

NOTES (CONT.)

2. The SRV Position Indication System is not needed for the full 100-day postulated accident duration. It has been determined that its functionality is needed for up to 30 days after a DBA event. Accordingly, one of the qualification's objectives was to qualify the SRV Position Indication System for a 30-day post DBA. Refer to Page 1 of Attachment 1 of Technical Specification 8856-J-63.

3.

TIME	PRESSURE(psig)	TEMPERATURE(°F)	HUMIDITY(%)
0-45 sec	44	340	100
45 sec - 3 hr	35	340	100
3 hr - 6 hr	35	320	100
6 hr - 24 hrs	20	250	100
24 hr - 100 days	10	200	100

4. Includes 40 years of normal operation plus 180 days of accident duration.

5. The LOCA test as reported on Reference F envelopes the temperature and pressure DBA requirements for the SSES.

6. As stated in Figure 8-8 (Isodermix Radiation Certification) Page 8-32 of Reference C, the cable assembly specimens were irradiated to a total integrated dose of 2.22×10^{8} rads. Beta qualification has been established by Reference E.

7. The LOCA test was performed with a chemical spray whose concentration and dosage are listed in table 8.7 and 8.8 on Page 8-20 of Reference C.

8. The cable assemblies under consideration are qualified to an equivalent life of 3.5 years at an equivalent temperature of 150°F. See Reference F.

5D-224

EQDF NO: 41
DATE: 2/25/83
REV: 4

COMPONENT: CHARGE CONVERTERS

MANUFACTURER: TEC

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
VT 14180 A1 thru VT 14180 A8	TEC 504B	NBS	C2e, 26
VT 14180 B1 thru VT 14180 B8	TEC 504B	NBS	C2e, 26

UNIT II

VT 24180 A1 thru VT 24180 A8	TEC 504B	NBS	C2e, 31
VT-24180 B1 thru VT 24180 B8	TEC 504B	NBS	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO: 1 of 3
REV. 5 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: SRV POSITION INDICATION SYSTEM PLANT I.D. NO.: VT-14180A1 THRU VT-14180A8, VT-14180B1 THRU VT-14180B8 COMPONENT: CHARGE CONVERTERS MANUFACTURER: TECHNOLOGY FOR ENERGY CORP. MODEL NUMBER: PURCHASE ORDER NO: J-63 FUNCTION/SERVICE: AMPLIFICATION IN CONTAINMENT ACCURACY: SPEC: +10% DEMO: +10% LOCATION: AREA: ELEV: ROOM: FLOOD LEVEL ELEV: 705'-8" ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS NOTE 2	CONTINUOUS	REF. A REF. B	REF. C E & F	TESTING	NONE
	TEMPERATURE (°F)	NORMAL: 90-150 ACC: NOTE 3	NORM: 150 ACC: NOTE 5	REF. A & B	REF. C, E & F	TESTING	NONE
	PRESSURE (psig)	NOR: 0.1-1.5 ACC: NOTE 3	NOR: ATMOS. ACC: NOTE 5	REF. A & B	REF. C & E	TESTING	NONE
	RELATIVE HUMIDITY (%)	NOR: 20-90 ACC: 100%	NOR: AMBIENT ACC: 100%	REF. A & B	REF. C	TESTING	NONE
	CHEMICAL SPRAY	DEMINERALIZED WATER	NOTE 7	REF. D	REF. C	TESTING	NONE
	RADIATION (RAD) TID GAMMA BETA	SEE NOTE 4 2.7E07 1.43E09	2.22×10^8 NOTE 6	REF. B REF. A	REF. F REF. C	TESTING/ ANALYSIS	NONE
	AGING	40 YEARS	NOTE 8	REF. A & B	REF. C & F	TESTING	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

058283

956456

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 Revision 30 B. FSAR Section 3.11.2b.1 C. Technology for Energy Corporation's "Final Qualification Test Report for Environmental and Seismic Testing of (Cont'd.)	1. Equipment is qualified to NUREG-0588, Cat. I.

(MG/P18-17)

5D-226

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO. 2 of 3
REV 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

the TEC Valve Flow Monitoring System" (TEC Document 517-TR-03) Revision 2. Vendor Print 8856-J-63-32-4. Refer to the "Reports" Section of EQDF #41.

D. FSAR Section 5.4.7.1.1.4.

E. TEC's "BWR LOCA/MSLB Qualification of TEC 1414 VFM Containment Equipment" (TEC Document 517-TR-05). Vendor Print 8856-J-63-59-2. Refer to the "Reports" section of EQDF #41.

F. TEC letter to Bechtel dated 5/24/82, DCN-00169551.

NOTES (CONT.)

2. The SRV Position Indication System is not needed for the full 100-day postulated accident duration. It has been determined that its functionality is needed for up to 30 days after a DBA event. Accordingly, one of the qualification's objectives was to qualify the SRV Position Indication System for a 30-day post DBA. Refer to Page 1 of Attachment 1 of Technical Specification 8856-J-63.

3.

TIME	PRESSURE(psig)	TEMPERATURE(°F)	HUMIDITY(%)
0-45 sec	44	340	100
45 sec - 3 hr	35	340	100
3 hr - 6 hr	35	320	100
6 hr - 24 hrs	20	250	100
24 hrs - 100 days	10	200	100

4. Includes 40 years of normal operation plus 180 days of accident duration.

5. The LOCA test as reported on Reference E envelopes the temperature and pressure DBA requirements for the SSES.

6. The charge converters under consideration are mounted inside a stainless steel "environmental transient shield" (TEC Model 160-2). As stated in Figure 8-6 (isodermix radiation certification) page 8-32 of Reference C, the environmental transient shield specimen housing the charge converter specimens was irradiated to a total integrated dose of 2.22×10^8 rads. Beta radiation degradation is negligible since the charge converters under consideration are contained by the aforementioned 304 stainless steel transient shield. No Beta ingress is possible since the transient shield is factory sealed.

5D-227

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 41
COMPONENT SHEET NO. 3 of 3
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	7. A LOCA test was performed with a chemical spray whose concentration and dosage are listed in Tables 8.7 and 8.8 on Page 8-20 of Reference C. 8. The instruments under consideration are qualified to an equivalent life of 3.5 years of an operating temperature of 150°F. See Reference F.

(MG/P18-17)

EQDF NO: 42
DATE: 2/25/83
REV: 4

COMPONENT: DETECTOR, HIGH RADIATION

MANUFACTURER: GENERAL ATOMIC

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
RE-15720A, B	RD-23	RM	C2e, 26

UNIT II

RE-25720A, B	RD-23	RM	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 42
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: RADIATION DETECTOR MANUFACTURER: GENERAL ATOMIC MODEL NUMBER: PURCHASE ORDER NO.: J64B FUNCTION/SERVICE: ACCURACY: SPEC: ±20% DEMO: ±20% LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS 100 DAYS AFTER DBA	CONTINUOUS SEE NOTE 4	REF. B	REF. C, D & E	TESTING/ ANALYSIS	NONE
	TEMPERATURE (°F)	NORMAL: 100-150 ACCIDENT: NOTE 2	SEE NOTE 4 & 5	REF. A & B	REF. C, D & E	TESTING/ ANALYSIS	NONE
	PRESSURE psig	NORMAL: 0.1-1.5 ACCIDENT: NOTE 2	SEE NOTE 4 & 5	REF. A & B	REF. C, D & E	TESTING/ ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORMAL: 20-90 ACCIDENT: NOTE 2	NORMAL: SEE NOTE 5 ACCIDENT: 100%	REF. A & B	REF. C	TESTING/ ANALYSIS	NONE
	CHEMICAL SPRAY	DEMINERALIZED WATER	SEE NOTE 6	REF. F	REF. C	TESTING	NONE
	RADIATION (RAD) TID GAMMA BETA	GAMMA: 2.7E07 BETA: 1.43E09 SEE NOTE 3	SEE NOTE 5	REF. A & B	REF. C	ANALYSIS	NONE
	AGING	40 YEARS	SEE NOTE 5	REF. A & B	REF. C	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

911970

077226

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b.1, 3.11.2b.2 C. General Atomic "Test Report Class 1E Design Qualification Testing of Analog High Range Radiation Monitor	1. QUALIFIED TO THE REQUIREMENTS OF NUREG-0588, CAT. I.

(MG/P18-17)

5D-230

DOCUMENTATION REFERENCES (CONT.)

(RD-23, RP-2C, RP-23, and RP-20-01)" (GENERAL ATOMIC's REPORT E-254-960, Vendor Print 8856-J64B-6-2.)

D. General Atomic letter to Bechtel dated October 21, 1981 (DCN 0150563), in response to a Bechtel letter to General Atomic dated September 30, 1981 (DCN 0149202). Refer to the "Related Correspondence" Section of this binder.

E. General Atomic letter to Bechtel dated January 6, 1982 (DCN 0155742). Refer to the "Related Correspondence" section of this binder.

G. Reuter-Stokes letter to Bechtel dated 3-17-82 (DCN 0162244). Refer to the "Related Correspondence" section of the binder.

NOTES (CONT.)

2.

Time	Pressure (psig)	Temperature (°F)	Humidity (%)
0-45 sec.	44	340	100%
45 sec.-3 hrs.	35	340	100%
3 hrs.-6 hrs.	35	320	100%
6 hrs.-24 hrs.	20	250	100%
24 hrs.-100 days	10	200	100%

3. Includes 40 years normal operation plus 180 days of post accident operation.

4. The durations of the two successful LOCA tests performed were 5 hours and 9 hrs. However, the above referenced LOCA tests have been proven to be equivalent to the postulated 100 day LOCA requirement. Refer to page 2 of EQPM No. 318 for analysis.

5. The detector under consideration consists of a stainless steel sealed housing. It is of all heli-arc welded metal and ceramic construction. There are no materials contained in the detector which would cause it to be susceptible to significant degradation due to thermal and radiation aging, therefore, no thermal or radiation aging were performed. Because of its construction, this detector's qualified life is well above 40 years. Refer to Reference C, E and G for detector materials. Refer to EQPM No. 318 for the analysis of the bill of materials pertinent to the radiation detector under consideration.

6. Caustic spray was used during the LOCA test.

EQDF NO: 43 / 49
DATE: 4/11/83
REV: 5
PAGE 1 of 2

COMPONENT: SWITCH, POSITION

MANUFACTURER: NAMCO

COMMON

PLANT NO.	MODEL NO.	SYSTEM	AREA
ZS-08301 A, B	EA-180	CSHVAC	CS4, 12

UNIT I

ZS-14319	EA-180	RR	C2e, 26
ZS-14320	EA-180	RR	R1h, 25-4
ZS-14924	EA-180	RCIC	C2e, 26-2
ZS-14925	EA-180	RCIC	R1h, 28-1
ZS-14926	EA-180	RCIC	R1h, 28-1
ZS-14954	EA-180	RCIC	R1h, 28-1
ZS-15004	EA-180	RCIC	R1h, 28-1
ZS-15005	EA-180	RCIC	R1h, 28-1
ZS-15122 A, B	EA-180	RHR	C2e, 26-3
ZS-15170 A, B	EA-180	RHR	R1g, 29-2
ZS-15189 A, B	EA-180	RHR	R1g, 28-2, 29-2
ZS-15191 A, B	EA-180	RHR	R1g, 28-2, 29-2
ZS-15203 A, B	EA-180	CS	C2b, 26-12
ZS-15521	EA-180	HPCI	C2e, 26-2
ZS-15554	EA-180	HPCI	R1h, 28-1
ZS-15528	EA-180	HPCI	R1h, 28-1
ZS-15529	EA-180	HPCI	R1h, 28-1
ZS-15625	EA-180	HPCI	R1a, 25-1
ZS-15626	EA-180	HPCI	R1a, 25-1
ZS-15711	EA-180	CAC	R1i, 25-5
ZS-15705	EA-180	CAC	R1g, 27-3
ZS-18782 A1,A2,B1,B2	EA-180	RBCW	C2d, 26
ZS-18792 A1,A2,B1,B2	EA-180	RBCW	C2d, 26
ZS-16108 A1, A2	EA-180	LR	R1c, 29
ZS-16116 A1, A2	EA-180	LR	R1c, 29
ZS-18781 A1, A2	EA-180	RBCCW	R1m, 29
ZS-18781 B1, B2	EA-180	RBCCW	R1k, 25
ZS-18791 A1, A2	EA-180	RBCCW	R1k, 27
ZS-18791 B1, B2	EA-180	RBCCW	R1k, 28
ZS-15150 A, B	EA-180	RHR	C2e, 26
ZS-15106 A, B	EA-180	CS	C2b, 26
ZS-15160 A, B	EA-180	RHR	C2e, 26
ZS-15107 A, B	EA-180	CS	C2b, 26

EQDF NO: 43 / 49
DATE: 4/11/83
REV: 5
PAGE 2 of 2

COMPONENT: SWITCH, POSITION

MANUFACTURER: NAMCO

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
ZS-24319	EA-180	RR	C2e, 31
ZS-24320	EA-180	RR	R1h, 30-4
ZS-24924	EA-180	RCIC	C2e, 31-2
ZS-24925	EA-180	RCIC	R1h, 33-1
ZS-24926	EA-180	RCIC	R1h, 33-1
ZS-24954	EA-180	RCIC	R1h, 33-1
ZS-25004	EA-180	RCIC	R1h, 33-1
ZS-25005	EA-180	RCIC	R1h, 33-1
ZS-25122 A, B	EA-180	RHR	C2e, 31-3
ZS-25170 A, B	EA-180	RHR	R1g, 34-2
ZS-25189 A, B	EA-180	RHR	R1g, 33-2, 34-2
ZS-25191 A, B	EA-180	RHR	R1g, 33-2, 34-2
ZS-25203 A, B	EA-180	CS	C2b, 31-12
ZS-25521	EA-180	HPCI	C2e, 31-2
ZS-25554	EA-180	HPCI	R1h, 33-1
ZS-25528	EA-180	HPCI	R1h, 33-1
ZS-25529	EA-180	HPCI	R1h, 33-1
ZS-25625	EA-180	HPCI	R1a, 30-1
ZS-25626	EA-180	HPCI	R1a, 30-1
ZS-25711	EA-180	CAC	R1i, 32-5
ZS-25705	EA-180	CAC	R1g, 32-3
ZS-28782 A1,A2,B1,B2	EA-180	RBCW	C2d, 31
ZS-28792 A1,A2,B1,B2	EA-180	RBCW	C2d, 31
ZS-26108 A1, A2	EA-180	LR	R1c, 34
ZS-26116 A1, A2	EA-180	LR	R1c, 34
ZS-28781 A1, A2	EA-180	RBCCW	R1m, 34
ZS-28781 B1, B2	EA-180	RBCCW	R1k, 30
ZS-28791 A1, A2	EA-180	RBCCW	R1k, 32
ZS-28791 B1, B2	EA-180	RBCCW	R1k, 33
ZS-25150 A, B	EA-180	RHR	C2e, 31
ZS-25106 A, B	EA-180	CS	C2b, 31
ZS-25160 A, B	EA-180	RHR	C2e, 31
ZS-25107 A, B	EA-180	CS	C2b, 31

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 43 & 49
COMPONENT SHEET NO: 1 of 2
REV. 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	SEQUENTIAL TEST	NONE
COMPONENT: LIMIT SWITCHES	TEMPERATURE (°F)	NOR: 150 ACC: NOTE 2	NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
MANUFACTURER: NAMCO MODEL NUMBER:	PRESSURE	SEE NOTE 2	NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
PURCHASE ORDER NO.: P-12B, J-65B, P17A, P17B	RELATIVE HUMIDITY (%)	NOR: 100 ACC: SEE NOTE 7	100	REF. A	REF. C	SEQUENTIAL TEST	NONE
FUNCTION/SERVICE: VALVE POSITION	CHEMICAL SPRAY	DEMIN H_2O	NaOH SPRAY	REF. D	REF. C	N/A	NONE
ACCURACY: SPEC: N/A DEMO: N/A	RADIATION (RAD) TID GAMMA BETA	NOR: 1.4E07 ACC: 8.4E07 ACC: 1.9E09	2.E08 SEE NOTE 4	REF. A	REF. C	SEQUENTIAL TEST	NONE
LOCATION: AREA: ELEV.: ROOM:	AGING	40 YEARS	40 YEARS SEE NOTES 5 & 6	REF. B	REF. C	SEQUENTIAL TEST	NONE
FLOOD LEVEL ELEV.: N/A ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

3545

900400

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Section 3.11.2b-1 C. Qualification report of NAMCO EA-180 Limit Switches D. FSAR Paragraph 6.2.2	1. Qualified to NUREG-0588, Category I. The position switch itself has no safety function. The switch is contained in a Class 1E circuit and is qualified to prevent circuit degradation.

5D-234

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 43 & 49
COMPONENT SHEET NO 1 of 2
REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. Accident Environment

0 to 44 seconds	44 psig	340°F
45 seconds to 3 hours	35 psig	340°F
3 to 6 hours	35 psig	320°F
6 to 24 hours	20 psig	250°F
24 hours to 100 days	10 psig	200°F

3. Qualification Environment

0 to 3 hours	70 psig	340°F
3 to 5 hours	Decrease to 0 psig	140°F
5 to 8 hours	70 psig	340°F
8 to 11 hours	40 psig	320°F
11 hours to 4 days	25 psig	250°F
4 days to 30 days	10 psig	200°F

4. The Beta radiation is external to the valve operator casing and will not penetrate more than a few mils of metal.

5. Replace elastometers every 1.9 years.

6. Qualified life is based on following NAMCO maintenance instructions EA 189 90051 - 9/16/80.

7. ACC: 100 (1-12 Hrs)
90 (long term)

5D-235

EQDF NO: 44
DATE: 2/25/83
REV: 4
PAGE 1 of 3

COMPONENT: VALVE, SOLENOID

MANUFACTURER: CIRCLE SEAL CONTROL

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-07543 A, B	SV31S-9101	RBHVAC	R1m, 29
SV-07824 A4, B4	SV31S-9101	RBHVAC	R4, 29
SV-07833 A, B	SV31S-9101	RBHVAC	R5, 21-11

UNIT I

SV-11024 A, B	SV31S-9101	RBHVAC	R1m, 27-3
SV-11274 A, B	SV31S-9101	RHRSW	R1g, 29, 28
SV-14320	SV31S-9101	RR	R1k, 25-4
SV-15004	SV31S-9101	RCIC	R1h, 28-1
SV-15005	SV31S-9101	RCIC	R1h, 28-1
SV-15151 A	SV31S-9101	RHR	R1g, 29-2
SV-15151 B	SV31S-9101	RHR	R1g, 28-2
SV-15152 A	SV31S-9101	RHR	R1g, 29-2
SV-15152 B	SV31S-9101	RHR	R1g, 28-2
SV-15153 A	SV31S-9101	RHR	R1g, 29-1
SV-15153 B	SV31S-9101	RHR	R1g, 28-1
SV-15169	SV31S-9101	RHR	R1g, 29-2
SV-15170 A, B	SV31S-9101	RHR	R1g, 29-2
SV-15188 A	SV31S-9101	RHR	R1g, 29-2
SV-15189 A	SV31S-9101	RHR	R1g, 29-2
SV-15188 B	SV31S-9101	RHR	R1g, 28-2
SV-15189 B	SV31S-9101	RHR	R1g, 28-2
SV-15191 A	SV31S-9101	RHR	R1g, 29-2
SV-15191 B	SV31S-9101	RHR	R1g, 28-2
SV-15625	SV31S-9101	HPCI	R1b, 25-1
SV-15626	SV31S-9101	HPCI	R1b, 25-1
SV-15703	SV31S-9101	CAC	R1m, 27-3
SV-15704	SV31S-9101	CAC	R1m, 27-3
SV-15705	SV31S-9101	CAC	R1m, 27-3
SV-15711	SV31S-9101	CAC	R1i, 25
SV-15713	SV31S-9101	CAC	R1f, 25
SV-15714	SV31S-9101	CAC	R1f, 25
SV-15722	SV31S-9101	CAC	R1m, 29-3
SV-15721	SV31S-9101	CAC	R1m, 29-3
SV-15723	SV31S-9101	CAC	R1m, 29-3

COMPONENT: VALVE, SOLENOID

MANUFACTURER: CIRCLE SEAL CONTROL

UNIT I (Cont'd.)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-15724	SV31S-9101	CAC	R1m, 29-3
SV-15725	SV31S-9101	CAC	R1m, 29-3
SV-17508 A, B	SV31S-9101	RBHVAC	R1f, 27-6
SV-17524 A, B	SV31S-9101	RBHVAC	R4, 29-6
SV-17534 A	SV31S-9101	RBHVAC	R1k, 25
SV-17534 B	SV31S-9101	RBHVAC	R1m, 28-6
SV-17534 D	SV31S-9101	RBHVAC	R5, 25-7
SV-17534 E	SV31S-9101	RBHVAC	R5, 28-7
SV-17534 H	SV31S-9101	RBHVAC	R1m, 28-6
SV-17534 F	SV31S-9101	RBHVAC	R1m, 28-6
SV-17576 A	SV31S-9101	RBHVAC	R4, 29-6
SV-17576 B	SV31S-9101	RBHVAC	R4, 28-6
SV-17586 A, B	SV31S-9101	RBHVAC	R4, 29-6
SV-17502 A, B	SV315-9101	RBHVAC	CS2, 28
SV-17514 A, B	SV315-9101	RBHVAC	CS2, 29

UNIT II

SV-21024 A, B	SV31S-9101	RBHVAC	R1m, 32
SV-21274 A, B	SV31S-9101	RHRSW	R1g, 34, 33
SV-24320	SV31S-9101	RR	R1k, 32
SV-25004	SV31S-9101	RCIC	R1h, 33
SV-25005	SV31S-9101	RCIC	R1h, 33
SV-25152 A	SV31S-9101	RHR	R1g, 34
SV-25152 B	SV31S-9101	RHR	R1g, 33
SV-25169	SV31S-9101	RHR	R1g, 33
SV-25170 A, B	SV31S-9101	RHR	R1g, 33
SV-25188 A	SV31S-9101	RHR	R1g, 33
SV-25189 A	SV31S-9101	RHR	R1g, 33
SV-25188 B	SV31S-9101	RHR	R1g, 34
SV-25189 B	SV31S-9101	RHR	R1g, 34
SV-25191 A	SV31S-9101	RHR	R1g, 33
SV-25191 B	SV31S-9101	RHR	R1g, 34
SV-25625	SV31S-9101	HPCI	R1b, 30

COMPONENT: VALVE, SOLENOID

MANUFACTURER: CIRCLE SEAL CONTROL

UNIT II (Cont'd.)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-25626	SV31S-9101	HPCI	R1b, 30
SV-25703	SV31S-9101	CAC	R1m, 32
SV-25704	SV31S-9101	CAC	R1m, 32
SV-25705	SV31S-9101	CAC	R1m, 32
SV-25711	SV31S-9101	CAC	R1i, 32
SV-25713	SV31S-9101	CAC	R1f, 32
SV-25714	SV31S-9101	CAC	R1f, 32
SV-25722	SV31S-9101	CAC	R1m, 34
SV-25723	SV31S-9101	CAC	R1m, 34
SV-27508 A, B	SV31S-9101	RBHVAC	R1f, 30
SV-27524 A, B	SV31S-9101	RBHVAC	R4, 33
SV-27534 A	SV31S-9101	RBHVAC	R1k, 32
SV-27534 B	SV31S-9101	RBHVAC	R1m, 34
SV-27534 D	SV31S-9101	RBHVAC	R5, 32
SV-27534 E	SV31S-9101	RBHVAC	R5, 34
SV-27534 H, G	SV31S-9101	RBHVAC	R1m, 34
SV-27534 F, I	SV31S-9101	RBHVAC	R1m 34
SV-27543 A, B	SV31S-9101	RBHVAC	R1m, 33
SV-27824 A4, B4	SV31S-9101	RBHVAC	R4, 33
SV-27576 A	SV31S-9101	RBHVAC	R4, 33
SV-27576 B	SV31S-9101	RBHVAC	R4, 34
SV-27586 A, B	SV31S-9101	RBHVAC	R4, 33

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 44
COMPONENT SHEET NO: 1 of 2
REV. 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
PILOT SOLENOID VALVE
MANUFACTURER:
CIRCLE SEAL CONTROL
MODEL NUMBER:
PURCHASE ORDER NO.:
J69B, P16A, P31A
FUNCTION/SERVICE:
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
ABOVE LEVEL ELEV. N/A
ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	NOTE 4 & 5	CONT. ENERGIZED NOTE 5	REF. B, D	REF. C	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NOR: 104 ACC: 300(60 SEC) 130 LONGTERM	NOTE 8	REF. A	"	SEQUENTIAL TEST	"
PRESSURE INCH WG	NOR: .125" ACC: SEE NOTE 2	249" (9 psig)	REF. A	"	SEQUENTIAL TEST	"
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100(12HR) 90(LONGTERM)	NOTE 6	REF. A	"	SEQUENTIAL TEST	"
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E06 ACC: 3.5E06 ACC: 4.3E05	1.9E07	REF. A	REF. C	SEQUENTIAL TEST	NONE
AGING	40 YEARS NOTE 3	SEE NOTE 7	REF. B	"	SEQUENTIAL	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

945258

925052

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. Qualification Report VP 8856-J69B-20-1
D. FSAR Section 6.2, 6.3, 5.4, 9.2, 9.4.

NOTES

1. Qualified to NUREG-0588 Category I.
2. Acc: +.25" (60 sec.), -.25" long term

5D-239

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 44
COMPONENT SHEET NO 2 of 2
REV 6 . DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	3. The solenoid valves are expected to operate once a month during testing of the systems. For 40 years this results in 480 mechanical wear cycles. The tests conducted by the vendor to qualify the solenoid valves to 2000 cycles assure adequacy for SSES application. 4. Solenoid valves located in areas in which HELB may occur is physically separated from redundant safety systems. The affected system will be taken out of service within 1 hr. or less. Therefore the testing by the vendor of 1 hr. for HELB is adequate for this application. 5. Safety Function: Upon DBE, those valves that are energized shall de-energize. All valves, whether normally energized or de-energized, remain de-energized after DBE (No electrical functioning of the solenoid valves is required after start of DBE). The only safety related function of these valves is to de-energize and exhaust the cylinder port. 6. See DCN 176153 (NOTE 5) in Section 6 of the equipment qualification data file. 7. 40 years for the coil with replacement of elast. every 12 years. 8. 315°F for 60 sec., 140°F for 1 hour; or 130°F long term. See Note 4.

5D-240

(MG/P18-17)

EQDF NO: 45
DATE: 2/25/83
REV: 4

COMPONENT: VALVE, SOLENOID (I.C.)

MANUFACTURER: ASCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-15206 A, B	NP8344A70E	CS	C2b, 26

UNIT II

SV-25206 A, B	NP8344A70E	CS	C2b, 31

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 45

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.:	OPERATING TIME	SEE NOTE 4	CONT. ENERGIZED	REF. C & F	REF. E	SEQUENTIAL TEST	NONE
COMPONENT: PILOT SOLENOID VALVE	TEMPERATURE (°F)	NOR: 150°F ACC: SEE NOTE 2	SEE NOTE 2	REF. A	"	"	"
MANUFACTURER: ASCO MODEL NUMBER:	PRESSURE	NOR: 1.5 ACC: SEE NOTE 2	SEE NOTE 2	"	"	"	"
PURCHASE ORDER NO.: J69C	RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	100%	"	"	"	"
FUNCTION/SERVICE: MAIN STEAM ISOL. VALVE BYPASS	CHEMICAL SPRAY	DEMINERALIZED WATER	CHEMICAL SPRAY TEST	REF. D	"	"	"
ACCURACY: SPEC: N/A DEMO: N/A	RADIATION (RAD) TID GAMMA BETA	NOR: 1.1E06 ACC: 4.0E07 ACC: 7.4E08	2.0E08 SEE NOTE 3	REF. A	"	"	"
LOCATION: AREA: ELEV.: ROOM:	AGING	40 YEARS	SEE NOTE 5	REF. B	"	"	"
FLOOD LEVEL ELEV.: 705'-8" ABOVE FLOOD LEVEL?: YES:X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

7491

2899

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b.1 C. FSAR Section 6.0 D. FSAR Table 5.4.7.1.1.4 E. ASCO Report AQS 21678 TR Rev. A, VP #8856-J-69C-5.1.	1. Qualified to NUREG-0588 Category I.

5D-242

(MG/P18-17)

DOCUMENTATION REFERENCES (CONT.)

F. Technical Spec. 8856-J-69C
G. ASCO Seismic & Hydrodynamic Test Report #202. VP No. 8856-J69C-3-2.

NOTES (CONT.)

2. LOCA Temperature/Pressure Profile

FSAR TIME	FSAR PRESS.	FSAR TEMP.	TEST TIME	TEST PRESS.	TEST TEMP.
0-45 sec	44 psig	340°F	0-8 min	110 psig	346°F
45 sec-3 hr	35 psig	340°F	8 min-3 hr	110 psig	346°F
3 hr-6 hr	35 psig	320°F	3 hr-6 hr	75 psig	320°F
6 hr-24 hr	20 psig	250°F	6 hr-4 days	15 psig	250°F
24 hr-100 days	10 psig	200°F	4 days-30 days	10 psig	200°F
			30 days-100 days	No Test	

Because valves are not required to function electrically during LOCA, the above test is considered acceptable to show the mechanical integrity of the valve to de-energize and exhaust the cylinder port upon a LOCA condition and assure that the cylinder port will remain exhausted.

3. The solenoid valve is unaffected by Beta Radiation as the device is totally enclosed.

4. Six valves are normally de-energized. Four valves are normally energized. See Note 2 for Safety Function.

5. 40 years with replacement every 3 years of coil and elastomers.

EQDF NO: 45
DATE: 2/25/83
REV: 4

COMPONENT: VALVE, SOLENOID (IC)

MANUFACTURER: ASCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-14924	NPKX8321	HPCI	C2e, 26-2
SV-15521	NPKX8321	HPCI	C2e, 26-2
SV-18782 A1, A2	NPKX8321	RBCW	C2e, 26
SV-18782 B1, B2	NPKX8321	RBCW	C2e, 26
SV-18792 A1, A2	NPKX8321	RBCW	C2e, 26
SV-18792 B1, B2	NPKX8321	RBCW	C2e, 26
SV-14319	NPKX8321	SS	C2e, 26-3
SV-15122 A, B	NPKX8321	RHR	C2e, 26-3
SV-15150 A, B	NPKX8321	RHR	C2e, 26-3
SV-15203 A, B	NPKX8321	CS	C2b, 26-12
SV-15528	NPKX8321	HPCI	R1b, 28-1
SV-15529	NPKX8321	HPCI	R1b, 28-1
SV-14925	NPKX8321	RCIC	R1h, 28-1
SV-14926	NPKX8321	RCIC	R1h, 28-1

UNIT II

SV-24924	NPKX8321	HPCI	C2e, 31-2
SV-25521	NPKX8321	HPCI	C2e, 31
SV-28782 A1, A2	NPKX8321	RBCW	C2e, 31
SV-28782 B1, B2	NPKX8321	RBCW	C2e, 31
SV-28792 A1, A2	NPKX8321	RBCW	C2e, 31
SV-28792 B1, B2	NPKX8321	RBCW	C2e, 31
SV-24319	NPKX8321	SS	C2e, 31-3
SV-25122 A, B	NPKX8321	RHR	C2e, 31-3
SV-25150 A, B	NPKX8321	RHR	C3e, 31
SV-25203 A, B	NPKX8321	CS	C2b, 31-12
SV-25528	NPKX8321	HPCI	R1b, 33-1
SV-25529	NPKX8321	HPCI	R1b, 33-1
SV-24925	NPKX8321	RCIC	R1h, 33-1
SV-24926	NPKX8321	RCIC	R1h, 33-1

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 45

COMPONENT SHEET NO: 1 of 2

REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.:

COMPONENT:
PILOT SOLENOID VALVE (IC)

MANUFACTURER:
ASCO

MODEL NUMBER:

PURCHASE ORDER NO.:
J69C

FUNCTION/SERVICE:
MAIN STEAM ISOL. VALVE BYPASS

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV.:
ROOM:

FLOOD LEVEL ELEV.: 705'-8"

ABOVE FLOOD LEVEL?: YES:X NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	SEE NOTE 4	CONT. ENERGIZED	REF. C & F	REF. E	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NOR: 150°F ACC: SEE NOTE 2	SEE NOTE 2	REF. A	"	"	"
PRESSURE	NOR: 1.5 ACC: SEE NOTE 2	SEE NOTE 2	"	"	"	"
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	100%	"	"	"	"
CHEMICAL SPRAY	DEMINERALIZED WATER	CHEMICAL SPRAY TEST	REF. D	"	"	"
RADIATION (RAD) TID GAMMA BETA	NOR: 1.1E06 ACC: 4.0E07 ACC: 7.4E08	2.0E08 SEE NOTE 3	REF. A	"	"	"
AGING	40 YEARS	SEE NOTE 5	REF. B	"	"	"
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

7491

2899

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1
C. FSAR Section 6.0
D. FSAR Table 5.4.7.1.1.4
E. ASCO Report AQS 21678 TR Rev. A, VP #8856-J-69C-5.1.

NOTES

1. Qualified to NUREG-0588 Category I.

5D-245

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 45
COMPONENT SHEET NO. 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)

F. Technical Spec. 8856-J-69C
G. ASCO Seismic & Hydrodynamic Test Report #202. VP No. 8856-J69C-3-2.

NOTES (CONT.)

2. LOCA Temperature/Pressure Profile

FSAR TIME	FSAR PRESS.	FSAR TEMP.	TEST TIME	TEST PRESS.	TEST TEMP.
0-45 sec	44 psig	340°F	0-8 min	110 psig	346°F
45 sec-3 hr	35 psig	340°F	8 min-3 hr	110 psig	346°F
3 hr-6 hr	35 psig	320°F	3 hr-6 hr	75 psig	320°F
6 hr-24 hr	20 psig	250°F	6 hr-4 days	15 psig	250°F
24 hr-100 days	10 psig	200°F	4 days-30 days	10 psig	200°F
			30 days-100 days	No Test	

Because valves are not required to function electrically during LOCA, the above test is considered acceptable to show the mechanical integrity of the valve to de-energize and exhaust the cylinder port upon a LOCA condition and assure that the cylinder port will remain exhausted.

3. The solenoid valve is unaffected by Beta Radiation as the device is totally enclosed.

4. Six valves are normally de-energized. Four valves are normally energized. See Note 2 for Safety Function.

5. 40 years with replacement every 3 years of coil and elastomers.

5D-246

(MG/P18-17)

EQDF NO: 46
DATE: 4/11/83
RE: 5
PAGE 1 of 2

COMPONENT: VALVE, SOLENOID

MANUFACTURER: TARGET ROCK

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-15740A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15742A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15750A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15752A, B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15774A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15776A,B	75KK,207,201	CAC	R1k, 27, R1k, 28
SV-15780A	75KK-201	CAC	R1c, 27
SV-15780B	75KK-201	CAC	R1c, 28
SV-15782A	75KK-201	CAC	R1c, 27
SV-15782B	75KK-201	CAC	R1c, 28
SV-51-1F079A	75KK-203	RHR	R1g, 29
SV-51-1F079B	75KK-203	RHR	R1g, 28
SV-51-1F080A	75KK-203	RHR	R1g, 29
SV-51-1F080B	75KK-203	RHR	R1g, 28
SV-51-1F105A	75KK-204	RHR	R1g, 29
SV-51-1F105B	75KK-204	RHR	R1g, 28
SV-12605	75KK-205	IG	R1k, 25
SV-12643	75KK-210	IG	R1m, 29
SV-12644	75KK-201	IG	R1m, 29
SV-12648	75KK-210	IG	R1k, 25
SV-12649	75KK-201	IG	R1k, 25
SV-12651	75KK-201	IG	R1c, 25
SV-12654A,B	75KK-202	IG	R1j, 29, R1k, 25
SV-12661	75KK-201	IG	R1k, 25
SV-12671	75KK-201	IG	R1k, 25
SV-15736A,B	75KK-201, 207	CA	R1m, 27, R1m, 25
SV-15734A,B	75KK-201	CA	R1m, 27, R1m, 25
SV-12360A,B	75KK-209	SS	R1c, 29
SV-12361	75KK-201	SS	R1m, 27
SV-12362A,B	75KK-209	SS	R1c, 28
SV-12364	75KK-209	SS	R1g, 29
SV-12365	75KK-201	SS	R1c, 28
SV-12366	75KK-201	SS	R1c, 27
SV-12368	75KK-201	SS	R1k, 28
SV-12369	75KK-201	SS	R1k, 27
SV-15274	75KK-209	SS	R1k, 29
SV-15737	75KK-201	CAC	R1k, 25

EQDF NO: 46
DATE: 4/11/83
REV: 5
PAGE 2 of 2

COMPONENT: VALVE, SOLENOID

MANUFACTURER: TARGET ROCK

UNIT I (Cont'd)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-15738	75KK-201	CAC	R1k, 25
SV-15744A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15745A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15746A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15747A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15748A,B	75KK-201	CAC	R1k, 27, R1k, 28
SV-15767	75KK-201	CAC	R1k, 28
SV-15768	75KK-201	CAC	R1k, 28

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-22644	75KK-201	IG	R1m 33, 749
SV-22649	75KK-201	IG	R1k 30, 719
SV-22654A	75KK-202	IG	R1j 33, 749
SV-22654B	75KK-202	IG	R1k 30, 719
SV-22671	75KK-201	IG	R1m 30, 683
SV51-2F079A	75KK-203	RHR	R1g 34, 645
SV51-2F079B	75KK-203	RHR	R1g 33, 645
SV51-2F080A	75KK-203	RHR	R1g 34, 645
SV51-2F080B	75KK-203	RHR	R1g 33, 645
SV-25736A	75KK-201	CAC	R1m 32, 670
SV-25740B	75KK-201	CAC	R1k 33, 719
SV-25742B	75KK-201	CAC	R1k 30, 719
SV-25750B	75KK-201	CAC	R1k 30, 719
SV-25776A	75KK-201	CAC	R1k 34, 719
SV-22643	75KK-210	IG	R1m 33, 749
SV-22648	75KK-210	IG	R1k 30, 719

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1

EQDF NO. 46
COMPONENT SHEET NO: 1 of 2
REV. 3 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D.NO.: COMPONENT: PROCESS SOLENOID VALVES MANUFACTURER: TARGET ROCK MODEL NUMBER: PURCHASE ORDER NO.: J-70 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	NOTE 3	REF. B	REF. C	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	NORM: 115 ACC:300(60 SEC) 130 LONG TERM	NOTE 2	REF. A	REF. C	SEQUENTIAL TEST	NOTE 1
	PRESSURE	NORM: -.375" ACC: 2.2(60SEC) -.25 LONG TERM	NOTE 2	REF. A	REF. C	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC:100(12 HR) 90 LONG TERM	NOTE 2	REF. A	REF. C	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	N/A	NOTE 5	N/A	REF. C	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 3.5E04 ACC: 1.7E06 ACC: 1.1E06	2.2 E07 RAD. NOTE 4	REF. A	REF. C	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	17.6 YEARS NOTE 3	REF. B	REF. C	SEQUENTIAL TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

4508

6800

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b.1 C. Target Rock Environmental Test Report 1500, V.P. #8856-J70-75-1.	1. Qualified to NUREG 0588, Category II (Cont'd.)

5D-249

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

EQDF NO. 46
COMPONENT SHEET NO 2 of 2
REV. 3 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. Test Chamber Conditions:

Time	Temp.(°F)	Press(psig)	Humidity
0-2-1/2 min	385	66	100%
2-1/2-12 min	365	66	100%
12 min-8 hrs	312	65	100%
8 hrs-42 hrs	312 - 290	27.5	100%
42 hrs-14 days	290 - 215	11	100%

To provide additional test margin, the test specimen was subjected to the first six hours of LOCA conditions shown above. Then the test specimen was subjected to the entire LOCA test profile from time zero through 19 days.

3. Thermal aging was performed at 350°F ± 5° at an R.H. of 55% for 792 hours. Qualified life stated is based on the Arrhenius model using a 0.5 eV activation energy with the service temperature as given in the table above. Mechanical aging was addressed by performing 18,000 operating cycles at 122°F ambient temperature.

4. An additional radiation exposure of 1E08 RAD was performed after LOCA testing with no failures observed.

5. The unit was tested in a spray of 6200 GPM H_3BO_3 with 500 PPM Hydrazine for 300 minutes.

5D-250

(MG/P18-17)

EQDF NO: 46B
DATE: 4/11/83
REV: 0

COMPONENT: VALVE, SOLENOID

MANUFACTURER: TARGET ROCK

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
SV-22361	75KK-211	SS	R1m/
SV-22365	75KK-211	SS	R1c/33, 670
SV-22366	75KK-211	SS	R1c/32, 683
SV-22368	75KK-211	SS	R1k/33, 719
SV-22369	75KK-211	SS	R1k/
SV-22605	75KK-212	IG	R1k/30, 719
SV-22651	75KK-215	IG	R1c/33, 683
SV-22661	75KK-211	NBVI	R1k/30, 719
SV-25734A	75KK-211	RHR	R1m/32, 670
SV-25734B	75KK-211	RHR	R1m/30, 670
SV-25736B	75KK-216	CAC	R1m/30, 670
SV-25737	75KK-213	CAC	R1m/30, 670
SV-25740A	75KK-211	CAC	R1k/33, 719
SV-25742A	75KK-211	CAC	R1k/34, 719
SV-25744A	75KK-221	CAC	R1k/32, 719
SV-25744B	75KK-221	CAC	R1k/33, 719
SV-25745A	75KK-211	CAC	R1k/32, 719
SV-25745B	75KK-211	CAC	R1k/33, 719
SV-25746A	75KK-211	CAC	R1k/32, 719
SV-25746B	75KK-211	CAC	R1k/33, 719
SV-25747A	75KK-211	CAC	R1k/32, 719
SV-25747B	75KK-211	CAC	R1k/33, 719
SV-25748A	75KK-211	CAC	R1k/32, 719
SV-25748B	75KK-211	CAC	R1k/33, 719
SV-25750A	75KK-211	CAC	R1k/34, 719
SV-25752A	75KK-211	CAC	R1k/34, 719
SV-25752B	75KK-211	CAC	R1k/30, 719
SV-25767	75KK-213	CAC	R1k/33, 719
SV-25774A	75KK-211	CAC	R1k/34, 719
SV-25774B	75KK-211	CAC	R1k/30, 719
SV-25776B	75KK-216	CAC	R1k/30, 719
SV-25780A	75KK-211	CAC	R1k/32, 683
SV-25780B	75KK-211	CAC	R1k/34, 683
SV-25782A	75KK-211	CAC	R1k/32, 683
SV-25782B	75KK-211	CAC	R1k/34, 683
SV51-2F105A	75KK-214	RHR	R1g/34, 670
SV51-2F105B	75KK-214	RHR	R1g/33, 670

(MG/F-01)

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 2

EQDF NO. 46B

COMPONENT SHEET NO: 1 of 1

REV. 0 DATE: 4/11/83

EQUIPMENT DESCRIPTION

SYSTEM:

PLANT I.D. NO.

COMPONENT:
PROCESS SOLENOID VALVES

MANUFACTURER:
TARGET ROCK

MODEL NUMBER:

PURCHASE ORDER NO:
J-70

FUNCTION/SERVICE:

ACCURACY: SPEC: N/A
DEMO: N/A

LOCATION: AREA:
ELEV:
ROOM:

FLOOD LEVEL ELEV:
N/A

ABOVE FLOOD LEVEL?:
YES: NO:

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CONTINUOUS	NOTE 1	REF. B	NOTE 1	SEQUENT. TEST	NOTE 1
TEMPERATURE (°F)	NOR: 115 ACC: 300(60 S.) 130-LONG TERM	NOTE 1	REF. A	NOTE 1	SEQUENT. TEST	NOTE 1
PRESSURE	NOR: -.375 ACC: 2.2 PSIG -.25-LNG TRM	NOTE 1	REF. A	NOTE 1	SEQUENT. TEST	NOTE 1
RELATIVE HUMIDITY (%)	NOR: 90 ACC: 100	NOTE 1	REF. A	NOTE 1	SEQUENT. TEST	NOTE 1
CHEMICAL SPRAY	N/A	NOTE 1	REF. A	NOTE 1	SEQUENT. TEST	NOTE 1
RADIATION (RAD) TID GAMMA BETA	NOR: 3.5E04 ACC: 1.7E06 4.3E05	NOTE 1	REF. A	NOTE 1	SEQUENT. TEST	NOTE 1
AGING	40 YEARS	NOTE 1	REF. B	NOTE 1	SEQUENT. TEST	NOTE 1
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

426891

5310

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Paragraph 3.11.2b.1

NOTES

1. Device is not qualified to NUREG 0588, Category I. Testing will commence in May, 1983. Scheduled completion is in December, 1983.

5D-252

(MG/P18-17)

EQDF NO: 47
DATE: 2/25/83
REV: 4

COMPONENT: ISOLATOR, SIGNAL

MANUFACTURER: VALIDYNE

UNIT I & II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
CM-136	CM249	TM	R1h, 28/33
CM-137	CM249	TM	R1h, 28/33
CM-144	CM249	TM	R1h, 28/33
CM-145	CM249	TM	R1h, 28/33
CM-16A,B,C	CM249	TM	R1m, 25/30
CM-146	CM249	TM	R1m, 25/30
CM-147	CM249	TM	R1m, 25/30
CM-148	CM249	TM	R1m, 25/30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 47
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO: COMPONENT: ISOLATOR, SIGNAL MANUFACTURER: VALIDYNE MODEL NUMBER: PURCHASE ORDER NO.: J-98 FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C, D	ANALYSIS	NONE
	TEMPERATURE (°F)	NOR: 104 ACC: SEE NOTE 6	130	REF. B	REF. C, D	ANALYSIS	NONE
	PRESSURE Inches W.G.	NOR: -.375 ACC: +16.6	1 psig	REF. B	REF. C, D	PARTIAL TYPE TEST	NONE
	RELATIVE HUMIDITY (%)	NOR: 90/10 ACC: 100% FOR 12 HRS: 90% 12 HRS.-100 DAYS	SEE NOTE 4	REF. B	REF. E	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	NONE	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NOR: 8.8E02 ACC: 1.5E04 ACC: 4.3E05	1E08 SEE NOTES 2 & 5	REF. A	REF. C, D	ANALYSIS	NONE
	AGING	40 YEARS	SEE NOTE 3 40 YEARS	REF. B	REF. C, D	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

049758

144642

DOCUMENTATION REFERENCES	NOTES
A. FSAR TAble 3.11-6 B. FSAR Paragraph 3.11.2b.1 C. Wyle Lab. Qualification Plan NDQ783015, Rev. B, March 8, 1979. D. Wyle Lab. qualification report NDQ 58390, dated April 25, 1979.	1. Qualified to the requirements of NUREG-0588 Cat. II.

5D-254

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 47
COMPONENT SHEET NO. 2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
E. EDS Inc./Bechtel discussion and analyses in Section 4 of the EQDF.	2. V.P. 8856-J98-19-1 (Wyle Report NDQ 783015) Para. 3.3.1.1 states resistors tested to 2.4 E08 Rads. Para. 3.3.1.2 states terminal blocks tested to 1 E08 Rads Appx. C, page 32 states potting compound tested to 2 E06 Rads. 3. The resistors used in these isolators are Mil. Spec., with constant failure rates for periods greater than 40 years. Therefore, they are exempt from thermal aging, per IEEE 650-79. 4. Isolators are qualified for this environment due to the fact that the assembly is potted with silicone potting material and is installed in a NEMA 4 enclosure. 5. NEMA 4 enclosure would stop all Beta. The resulting Bremstralung radiation would be less than 3.8 E04 Rads. 6. ACC: 240°F for 25 seconds; then 130°F for up to 100 days.

EQDF NO: 48
DATE: 2/25/83
REV: 4
PAGE 1 OF 4

COMPONENT: OPERATOR, MOV (A.C.)

MANUFACTURER: LIMITORQUE

COMMON

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-08601 A, B	SMB-000-5	ESW	R1i, 28, 29
HV-08602 A, B	SMB-000-5	ESW	R1i, 28, 29
HV-08603 A, B	SMB-000-5	ESW	R1i, 28, 29

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-11313	SMB-000-2	RBCCW	R1c, 29
HV-11314	SMB-000-2	RBCCW	R1c, 29
HV-1F001B	SMB-000-5	MSIVLC	R3, 25
HV-1F001F	SMB-000-5	MSIVLC	R3, 25
HV-1F001K	SMB-000-5	MSIVLC	R3, 25
HV-1F001P	SMB-000-5	MSIVLC	R3, 25
HV-1F002B	SMB-000-5	MSIVLC	R3, 25
HV-1F002F	SMB-000-5	MSIVLC	R3, 25
HV-1F002K	SMB-000-5	MSIVLC	R3, 25
HV-1F002P	SMB-000-5	MSIVLC	R3, 25
HV-1F003B	SMB-000-5	MSIVLC	R1m, 27
HV-1F003F	SMB-000-5	MSIVLC	R1m, 27
HV-1F003K	SMB-000-5	MSIVLC	R1m, 27
HV-1F003P	SMB-000-5	MSIVLC	R1m, 27
HV-1F006	SMB-000-5	MSIVLC	R3, 25
HV-1F006	SMB-000-5	SLC	R1j, 29
HV-1F007	SMB-000-5	MSIVLC	R3, 25
HV-1F008	SMB-000-5	MSIVLC	R3, 25
HV-1F009	SMB-000-5	MSIVLC	R3, 25
HV-1F011B	SMB-000-5	RHR	R1g, 28, 29
HV-1F011A	SMB-000-5	RHR	R1g, 28, 29
HV-1F026A,B	SMB-000-5	RHR	R1g, 28, 29
HV-1F031A,B	SMB-000-5	CS	R1m, 25, 27
HV-1F040	SMB-000-5	RHR	R1c, 29
HV-1F042	SMB-000-5	RWCU	R1e, 28

COMPONENT: OPERATOR, MOV (A.C.)

MANUFACTURER: LIMITORQUE

UNIT I (Cont'd.)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-1F073A,B	SMB-000-5	RHRSW	R1g, 28, 29
HV-1F075A,B	SMB-000-5	RHRSW	R1g, 28, 29
HV-1F104	SMB-000-5	RWCU	R1e, 28
HV-15112	SMB-000-5	RHR	R1c, 29
HV-15766	SMB-000-5	SPF	R1a, 27
HV-1F010A,B	SMB-2-40	RHR	R1c, 28, 29
HV-1F020	SMB-00-5	NB	R3, 25
HV-1F027A,B	SMB-00-7.5	RHR	R1c, 28, 29
HV-1F007A,B	SMB-00-10	RHR	R1g, 28, 29
HV-1F032A,B	SMB-0-10	NB	R3, 27, 29
HV-1F001A,B	SMB-00-15	CS	R1a, 25, 27
HV-1F021A,B	SMB-00-25	RHR	R1j, 29, Rc, 25
HV-1F004A&C,B&D	SMB-0-25	RHR	R1g, 28, 29
HV-1F006A&C,B&D	SMB-0-25	RHR	R1g, 28, 29
HV-1F028A,B	SMB-1-25	RHR	R1c, 28, 29
HV-1F003A,B	SMB-1-40	RHRSW	R1g, 28, 29
HV-1F015A,B	SMB-1-40	CS	R1c, 27, 25
HV-1F047A,B	SMB-1-40	RHR	R1g, 28, 29
HV-1F016A,B	SMB-2-25	RHR	R1g, 29, R3, 25
HV-1F004A,B	SMB-2-60	CS	R3, 25, 27
HV-1F005A,B	SMB-2-60	CS	R3, 25, 27
HV-1F048A,B	SMB-4-200	RHR	R1c, 28, 29
HV-1F015A,B	SMB-4-250	RHR	R1c, 28, 29
HV-1F017A,B	SMB-5-350	RHR	R1c, 28, 29
HV-1F024A,B	SMB-3-100	RHR	R1c, 25, 27
HV-11210A,B	SMB-00-15	RHRSW	R1g, 28, 29
HV-11215A,B	SMB-00-15	RHRSW	R1g, 28, 29

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-21313	SMB-000-2	RBCCW	R1c, 34
HV-21314	SMB-000-2	RBCCW	R1c, 34
HV-2F001B	SMB-000-5	MSIVLC	R3, 30
HV-2F001F	SMB-000-5	MSIVLC	R3, 30
HV-2F001K	SMB-000-5	MSIVLC	R3, 30
HV-2F001P	SMB-000-5	MSIVLC	R3, 30

COMPONENT: OPERATOR, MOV (A.C.)

MANUFACTURER: LIMITORQUE

UNIT II (Cont'd.)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-2F002B	SMB-000-5	MSIVLC	R3, 30
HV-2F002F	SMB-000-5	MSIVLC	R3, 30
HV-2F002K	SMB-000-5	MSIVLC	R3, 30
HV-2F002P	SMB-000-5	MSIVLC	R3, 30
HV-2F003B	SMB-000-5	MSIVLC	R1m, 32
HV-2F003F	SMB-000-5	MSIVLC	R1m, 32
HV-2F003K	SMB-000-5	MSIVLC	R1m, 32
HV-2F003P	SMB-000-5	MSIVLC	R1m, 30
HV-2F006	SMB-000-5	MSIVLC	R3, 30
HV-2F006	SMB-000-5	SLC	R1j, 34
HV-2F007	SMB-000-5	MSIVLC	R3, 30
HV-2F008	SMB-000-5	MSIVLC	R3, 30
HV-2F009	SMB-000-5	MSIVLC	R3, 30
HV-2F011B	SMB-000-5	RHR	R1g, 33, 34
HV-2F011A	SMB-000-5	RHR	R1g, 33, 34
HV-2F024A,B	SMB-3-100	RHR	R1c, 32, 30
HV-21210A,B	SMB-00-15	RHRSW	R1g, 33, 34
HV-21215A,B	SMB-00-15	RHRSW	R1g, 33, 34
HV-2F026A,B	SMB-000-5	RHR	R1g, 33, 34
HV-2F031A,B	SMB-000-5	CS	R1m, 30, 32
HV-2F040	SMB-000-5	RHR	R1c, 34
HV-2F042	SMB-000-5	RWCU	R1e, 33
HV-2F073A,B	SMB-000-5	RHRSW	R1g, 33, 34
HV-2F075A,B	SMB-000-5	RHRSW	R1g, 33, 34
HV-2F104	SMB-000-5	RWCU	R1e, 33
HV-25112	SMB-000-5	RHR	R1c, 34
HV-25766	SMB-000-5	SPF	R1a, 32
HV-2F010A,B	SMB-2-40	RHR	R1c, 34, 33
HV-2F020	SMB-00-5	NB	R3, 30
HV-2F027A,B	SMB-00-7.5	RHR	R1c, 34, 33
HV-2F007A,B	SMB-00-10	RHR	R1g, 33, 34
HV-2F032A,B	SMB-0-10	NB	R3, 34, 32
HV-2F001A,B	SMB-00-15	CS	R1a, 30, 32
HV-2F021A,B	SMB-00-25	RHR	R1j, 34, 30
HV-2F004A&C, B&D	SMB-0-25	RHR	R1g, 33, 34
HV-2F006A&C, B&D	SMB-0-25	RHR	R1g, 33, 34

COMPONENT: OPERATOR, MOV (A.C.)

MANUFACTURER: LIMITORQUE

UNIT II (Cont'd.)

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-2F028A, B	SMB-1-25	RHR	R1c, 34, 33
HV-2F003A, B	SMB-1-40	RHRSW	R1g, 33, 34
HV-2F015A, B	SMB-1-40	CS	R1c, 30, 32
HV-2F047A, B	SMB-1-40	RHR	R1g, 33, 34
HV-2F016A, B	SMB-2-25	RHR	R1j, 34, 30
HV-2F004A, B	SMB-2-60	CS	R1j, 30, 32
HV-2F005A, B	SMB-2-60	CS	R1j, 30, 32
HV-2F048A, B	SMB-4-200	RHR	R1c, 33, 34
HV-2F015A, B	SMB-4-250	RHR	R1c, 34, 33
HV-2F017A, B	SMB-5-350	RHR	R1c, 33, 34

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: MOTOR OPERATOR AC MANUFACTURER: LIMITORQUE MODEL NUMBER: PURCHASE ORDER NO: P10A, P10B, P11A, P12A, P14A P14B,P15A, P15B, P16A, P17A, P12B FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. E	REF. C	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	300 FOR 60 SEC. 130 AFTER	250 SEE NOTE 2	REF. A	REF. C & D	"	"
	PRESSURE (PSIA)	16.9 FOR 60 SEC 14.7 AFTER	39.7	REF. A	REF. C	"	"
	RELATIVE HUMIDITY (%)	100	100	REF. A	REF. C	"	"
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORM: 1.8E06 ACC: 1.7E07 B: 1.1E06	2E07 SEE NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C	"	"
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

6686

6607

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6 B. FSAR PARAGRAPH 3.11a-2 C. LIMITORQUE REPORT B-0003 D. LIMITORQUE REPORT B-0027 E. FSAR SECTION 6	1. Qualified to the requirements of NUREG 0588 Cat. I.

5D-260

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO 2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	2) Report B-0027 (Doc. Ref. D) demonstrates that short duration superheat steam conditions do not raise the temperature of motor operators above the saturated temperature for the corresponding pressure. 3) The Beta radiation dose is external to the valve operator casing and will not penetrate more than a few mils of metal. Therefore, the Beta dose is not a consideration in this qualification.

(MG/P18-17)

EQDF NO: 48
DATE: 2/25/83
REV: 4

COMPONENT: OPERATOR, MOV (A.C.) (IN, CONTAINMENT)

MANUFACTURER: LIMITORQUE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-1F001	SMB-000-5	NB	C2B, 26
HV-1F002	SMB-000-5	NB	C2B, 26
HV-11345	SMB-000-5	RBCCW	C2B, 26
HV-11346	SMB-000-5	RBCCW	C2B, 26
HV-12603-P	SMB-000-5	IG	C2B, 26
HV-1F007	SMB-00-7.5	RCIC	C2B, 26
HV-1F001	SMB-00-10	RWCU	C2B, 26
HV-1F016	SMB-00-10	NB	C2B, 26
HV-1F022	SMB-0-15	RHR	C2B, 26
HV-1F002	SMB-1-40	HPCI	C2B, 26
HV-1F009	SMB-3-80	RHR	C2B, 26
HV-1F011 A, B	SMB-4-150	NB	C2B, 26

UNIT II

HV-2F001	SMB-000-5	NB	C2B, 31
HV-2F002	SMB-000-5	NB	C2B, 31
HV-21345	SMB-000-5	RBCCW	C2B, 31
HV-21346	SMB-000-5	RBCCW	C2B, 31
HV-22603-P	SMB-000-5	IG	C2B, 31
HV-2F007	SMB-00-7.5	RCIC	C2B, 31
HV-2F001	SMB-00-10	RWCU	C2B, 31
HV-2F016	SMB-00-10	NB	C2B, 31
HV-2F022	SMB-0-15	RHR	C2B, 31
HV-2F002	SMB-1-40	HPCI	C2B, 31
HV-2F009	SMB-3-80	RHR	C2B, 31
HV-2F011 A, B	SMB-4-150	NB	C2B, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO: 1 of 3
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: MOTOR OPERATOR AC (IC) MANUFACTURER: LIMITORQUE MODEL NUMBER: PURCHASE ORDER NO.: P10A, P11A, P12A, P14B, P15A, P17A FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	SEE NOTE 2	SEE NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
	PRESSURE (PSIA)	SEE NOTE 2	SEE NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	100	100	REF. A	REF. C	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	DEMIN H_2O	SEE NOTE 4	REF. D	REF. C	SEQUENTIAL TEST	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 1.4E07 ACC: 8.4E07 ACC: 7.4E08	2.04 E08	REF. A	REF. C	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C	SEQUENTIAL TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

3005

6354

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b1 C. Limitorque Report 600376A D. FSAR Paragraph 6.2.2	1) Qualified to the requirements of NUREG 0588 Cat. 1. (Cont'd.)

5D-263

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

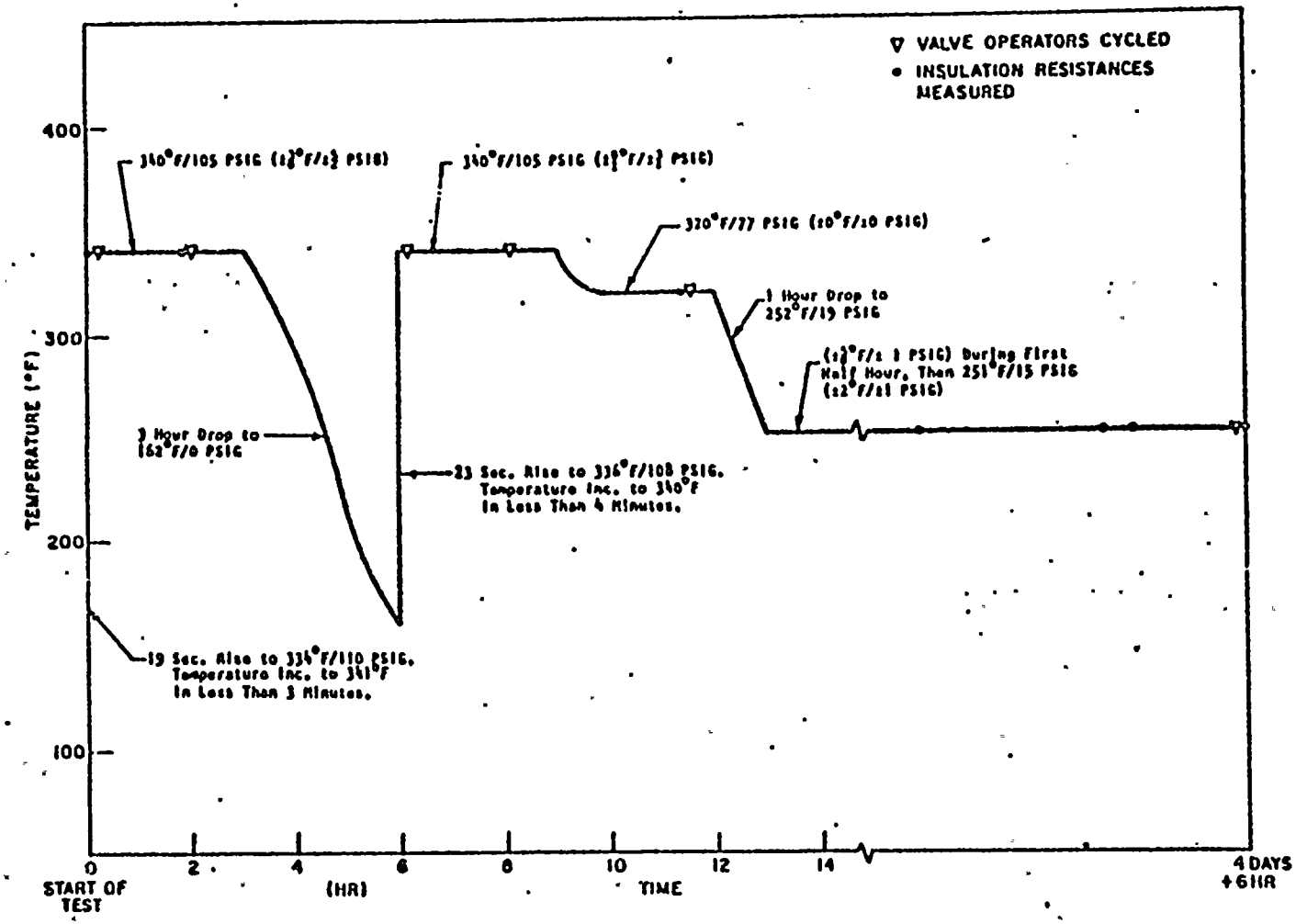
UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO. 2 of 3
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	2) Accident Environment 0 to 44 seconds — 44 psig — 340°F 45 sec to 3 hours — 35 psig — 340°F 3 hours to 6 hours — 35 psig — 320°F 6 hours to 24 hours — 20 psig — 250°F 24 hours to 100 days — 10 psig — 200°F 3) Qualification Environment: See attached curve. 4) Unit was exposed to saturated steam conditions during the test and was wetted to the maximum extent possible; therefore, any additional water spray would not wet the unit further. 5) The Beta radiation dose is external to the valve operator casing and will not penetrate more than a few mils of metal. Therefore, the Beta dose is not a consideration in this qualification.

5D-264

(MG/P18-17)



Actual Steam Exposure Profile

EQDF NO: 48
DATE: 2/25/83
REV: 4
PAGE 1 of 2

COMPONENT: OPERATOR, MOV (D.C.)

MANUFACTURER: LIMITORQUE

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-1F010	SMB-000-2	RCIC	R1n, 28
HV-1F031	SMB-000-2	RCIC	R1n, 28
HV-1F046	SMB-000-2	RCIC	R1n, 28
HV-1F059	SMB-00-5	RCIC	R1n, 28
HV-1F060	SMB-000-2	RCIC	R1n, 28
HV-1F075	SMB-000-2	HPCI	R1b, 28
HV-1F079	SMB-000-2	HPCI	R1b, 28
HV-1F049	SMB-000-5	RHR	R1c, 29
HV-1F062	SMB-000-5	RCIC	R1n, 27
HV-15768	SMB-000-5	SPF	R1c, 27
HV-1F008	SMB-00-10	RCIC	R1c, 28
HV-1F004	SMB-00-7.5	HPCI	R1b, 28
HV-1F042	SMB-00-7.5	HPCI	R1b, 28
HV-1F012	SMB-00-15	HPCI	R1b, 28
HV-1F045	SMB-0-25	RCIC	R1h, 28
HV-1F004	SMB-00-15	RWCU	R1e, 27
HV-1F019	SMB-00-15	RCIC	R1n, 28
HV-1F012	SMB-00-25	RCIC	R1n, 28
HV-1F066	SMB-0-10	HPCI	R1b, 28
HV-1F003	SMB-1-40	HPCI	R1c, 28
HV-1F001	SMB-1-60	HPCI	R1b, 28
HV-1F011	SMB-1-60	HPCI	R1a, 25
HV-1F023	SMB-2-40	RHR	R1c, 29
HV-1F008	SMB-3-150	RHR	R1c, 28
HV-1F008	SMB-3-80	HPCI	R1m, 25
HV-1F006	SB-3-150	HPCI	R3, 25
HV-1F007	SB-3-150	HPCI	R1m, 25
HV-1F059	SMB-000-2	HPCI	R1b, 28
HV-1F019	SMB-00-7.5	NB	R3, 26
HV-1F013	SMB-00-25	RCIC	R3, 26
HV-1F022	SMB-00-15	RCIC	R1m, 25
HV-1F084	SMB-000-5	RCIC	R1n, 28

COMPONENT: OPERATOR, MOV (D.C.)

MANUFACTURER: LIMITORQUE

UNIT II

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-2F010	SMB-000-2	RCIC	R1n, 33
HV-2F031	SMB-000-2	RCIC	R1n, 33
HV-2F046	SMB-000-2	RCIC	R1n, 33
HV-2F059	SMB-00-5	RCIC	R1n, 33
HV-2F060	SMB-000-2	RCIC	R1n, 33
HV-2F075	SMB-000-2	HPCI	R1b, 33
HV-2F079	SMB-000-2	HPCI	R1b, 33
HV-2F049	SMB-000-5	RHR	R1c, 34
HV-2F062	SMB-000-5	RCIC	R1n, 33
HV-25768	SMB-000-5	SPF	R1a, 30
HV-2F008	SMB-00-10	RCIC	R1c, 33
HV-2F004	SMB-00-7.5	HPCI	R1b, 33
HV-2F042	SMB-00-7.5	HPCI	R1b, 33
HV-2F012	SMB-00-15	HPCI	R1b, 33
HV-2F045	SMB-0-25	RCIC	R1h, 33
HV-2F004	SMB-00-15	RWCU	R1e, 32
HV-2F019	SMB-00-15	RCIC	R1n, 33
HV-2F012	SMB-00-25	RCIC	R1m, 33
HV-2F022	SMB-0-15	RCIC	R1m, 30
HV-2F066	SMB-0-10	HPCI	R1b, 33
HV-2F003	SMB-1-40	HPCI	R1c, 33
HV-2F001	SMB-1-60	HPCI	R1b, 33
HV-2F011	SMB-1-60	HPCI	R1a, 32
HV-2F023	SMB-2-40	RHR	R1c, 34
HV-2F008	SMB-3-150	RHR	R1c, 33
HV-2F008	SMB-3-80	HPCI	R1m, 32
HV-2F024 A, B	SMB-3-100	RHR	R1c, 30, 32
HV-2F006	SB-3-150	HPCI	R3, 30
HV-2F007	SB-3-150	HPCI	R1m, 32
HV-2F059	SMB-000-2	HPCI	R1b, 33
HV-2F019	SMB-00-7.5	NB	R3, 30
HV-2F013	SMB-00-25	RCIC	R3, 30

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: MOTOR OPERATOR DC MANUFACTURER: LIMITORQUE MODEL NUMBER: PURCHASE ORDER NO.: P10A, P12A, P15A, P15B, P17A FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV.: ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CONTINUOUS	CONTINUOUS	REF. B	REF. C & D	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	300 FOR 60 SEC. 130 AFTER	SEE NOTE 2	REF. A	REF. C & D & E	"	"
	PRESSURE (PSIA)	18.9 FOR 60 SEC 14.7 AFTER	39.7	REF. A	REF. C & D	"	"
	RELATIVE HUMIDITY (%)	100 FOR 12 HRS. 90 AFTER	100	REF. A	REF. C & D	"	"
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD) TID GAMMA BETA	NORM: 3.5E06 ACC: 1.7E07 ACC: 1.1E06	2E07 SEE NOTE 3	REF. A	REF. C & D	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C & D	"	"
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

027575

4586

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Paragraph 3.11.2b-1 C. Limitorque Report B-0009 D. Limitorque Report B-0003 E. Limitorque Report B-0027	1. Qualified to the requirements of NUREG 0588 Cat. I. (Cont'd.)

5D-268

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 48
COMPONENT SHEET NO. 2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	2) Operator supplied had Class B insulation, operator tested in Report B-0009 (Doc. Ref. C) had Class H insulation and was qualified to 341°F. Report B-0003 (Doc. Ref. D) tested Class B insulation to 250°F, and Report B-0027 (Doc. Ref. E) demonstrates that short duration superheat steam conditions do not raise the temperature of motor operators above the saturated temperature for the corresponding pressure. 3) The Beta radiation dose is external to the valve operator casing and will not penetrate more than a few mils of metal. Therefore, the Beta dose is not a consideration in this qualification.

(MG/P18-17)

EQDF NO: 49
DATE: 2/25/83
REV: 4

COMPONENT: VALVE, SOLENOID

MANUFACTURER: ASCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-16108 A1, A2	NP8321A1E	LR	R1c, 29
HV-16116 A1, A2	NP8321A1E	LR	R1c, 29
HV-18781 A1, A2	NP8321A1E	RBCCW	R1m, 29
HV-18781 B1, B2	NP8321A1E	RBCCW	R1k, 25
HV-18791 A1, A2	NP8321A1E	RBCCW	R1k, 27
HV-18791 B1, B2	NP8321A1E	RBCCW	R1k, 28
HV-1F050A, B	NP8321A1E	RHR	C2e, 26

UNIT II

HV-26108 A1, A2	NP8321A1E	LR	R1c, 34
HV-26116 A1, A2	NP8321A1E	LR	R1c, 34
HV-28781 A1, A2	NP8321A1E	RBCCW	R1m, 34
HV-28781 B1, B2	NP8321A1E	RBCCW	R1k, 30
HV-28791 A1, A2	NP8321A1E	RBCCW	R1k, 32
HV-28791 B1, B2	NP8321A1E	RBCCW	R1k, 33
HV-2F050A, B	NP8321A1E	RHR	C2e, 31

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & 2

EQDF NO. 49
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: PLANT I.D. NO.: COMPONENT: SOLENOID VALVE MANUFACTURER: ASCO MODEL NUMBER: PURCHASE ORDER NO.: P12B, P17B FUNCTION/SERVICE: ACCURACY: SPEC: N/A DEMO: N/A LOCATION: AREA: ELEV.: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL?: YES:X NO:	OPERATING TIME	CLOSE IN 15 SEC REMAIN CLOSED	CONTINUOUS	REF. B	REF. C	SEQUENTIAL TEST	NONE
	TEMPERATURE (°F)	NORM: 150 ACC: SEE NOTE 2	SEE NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
	PRESSURE PSIG	NORM: 1 to 1.5 ACC: SEE NOTE 2	SEE NOTE 3	REF. A	REF. C	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	100 FOR 12 HRS 90 AFTER NORM: 90	100	REF. A	REF. C	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	N/A	NaOH SPRAY	N/A	N/A	N/A	NONE
	RADIATION (RAD) TID GAMMA BETA	NORM: 1.1E06 ACC: 7.1E07 ACC: 1.9E09	2.E08 NOTE 5	REF. A	REF. C	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. B	REF. C	SEQUENTIAL TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

3602

746314

DOCUMENTATION REFERENCES	NOTES
A. FSAR Table 3.11-6 B. FSAR Para. 3.11.2b-1 C. ASCO Report AQS21678-TR	1. The solenoid valve is qualified to NUREG-0588 Cat. I. Replace solenoid coil and elastomers every 4 years.

5D-271

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO.. 49
COMPONENT SHEET NO.2 of 2
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2) Accident Environment

0 to 44 seconds	44 psig	340°F
45 seconds to 3 hours	35 psig	340°F
3 to 6 hours	35 psig	320°F
6 to 24 hours	20 psig	250°F
24 hours to 100 days	10 psig	200°F

3) Qualification Environment

Solenoid Valve

0 to 3 hours	110 psig	346°F
3 to 5 hours	Decrease to 0 psig	140°F
5 to 8 hours	110 psig	346°F
8 to 11 hours	75 psig	320°F
11 hours to 4 days	15 psig	250°F
4 days to 30 days	10 psig	200°F

4) The solenoid valve has no safety function. The valve is contained in a Class 1E circuit and is qualified to prevent circuit degradation.

5) The Beta radiation is external to the valve operator casing and will not penetrate more than a few mils of metal.

6) Replace solenoid coil and elastomers in solenoid valve every 2.5 years.

5D-272

EQDF NO: 50
DATE: 2/25/83
REV: 4

COMPONENT: SWITCH, POSITION

MANUFACTURER: NAMCO

UNIT I

PLANT I.D.	MODEL NO.	SYSTEM	AREA
HV-11024 A1, A2	EA740	ESW	R1m, 27
HV-11024 B1, B2	EA740	ESW	R1m, 27
HV-11143 A, B	EA740	ESW	R1m, 27
HV-15703	EA740	CAC	R1m, 27
HV-15704	EA740	CAC	R1m, 27
HV-15713	EA740	CAC	R1e, 25
HV-15714	EA740	CAC	R1e, 25
HV-15721	EA740	CAC	R1c, 29
HV-15722	EA740	CAC	R1c, 29
HV-15723	EA740	CAC	R1c, 29
HV-15724	EA740	CAC	R1c, 29
HB-15725	EA740	CAC	R1c, 29

UNIT II

HV-21024 A1, A2	EA740	ESW	R1m, 32
HV-21024 B1, B2	EA740	ESW	R1m, 32
HV-21143 A, B	EA740	ESW	R1m, 32
HV-25703	EA740	CAC	R1m, 32
HV-22704	EA740	CAC	R1m, 32
HV-25713	EA740	CAC	R1e, 32
HV-25714	EA740	CAC	R1e, 32
HV-25721	EA740	CAC	R1c, 34
HV-25722	EA740	CAC	R1c, 34
HV-25723	EA740	CAC	R1c, 34
HV-25724	EA740	CAC	R1c, 34
HB-25725	EA740	CAC	R1c, 34

SYSTEM COMPONENT EVALUATION WORK SHEET (SCEW SHEET)

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & 2

EQDF NO. 50
COMPONENT SHEET NO: 1 of 2
REV. 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION

SYSTEM:
PLANT I.D. NO.:
COMPONENT:
POS. SWITCH - NAMCO
MANUFACTURER:
MODEL NUMBER:
PURCHASE ORDER NO.:
P31A & P16A
FUNCTION/SERVICE:
ACCURACY: SPEC: N/A
DEMO: N/A
LOCATION: AREA:
ELEV.:
ROOM:
FLOOD LEVEL ELEV. NOTE 4
ABOVE FLOOD LEVEL?: YES:X NO:

2705

ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
OPERATING TIME	CLOSE IN 30 SEC. REMAIN CLOSED	CONTINUOUS	REF. D	REF. C	SEQUENTIAL TEST	NONE
TEMPERATURE (°F)	NORM: 115 ACC: SEE NOTE 5	SEE NOTE 2	REF. A	REF. C	SEQUENTIAL TEST	NONE
PRESSURE (PSIA)	16.9 FOR 60 SEC 14.7 AFTER	SEE NOTE 2	REF. A	REF. C NOTE 1	SEQUENTIAL TEST	NONE
RELATIVE HUMIDITY (%)	NORM: 90 ACC: SEE NOTE 6	100	REF. A	REF. C	SEQUENTIAL TEST	NONE
CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
RADIATION (RAD) TID GAMMA BETA	NORM: 3.5E06 ACC: 1.7E06 ACC: 1.1E06	2E08	REF. A	REF. C	SEQUENTIAL TEST	NONE
AGING	40 YEARS	POSITION SWITCH: 40 YEARS. NOTE 3	REF. B	REF. C	SEQUENTIAL TEST	NONE
SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

625701

DOCUMENTATION REFERENCES

A. FSAR Table 3.11-6
B. FSAR Para. 3.11.2b.1
C. NAMCO EA-740 Qualification Report Rev. 1 dated February 22, 1979.
D. Bechtel Spec. 8856-P31, Att. 2 and 8856-P16, Att. 2.

NOTES

1. QUALIFIED TO NUREG 0588 CAT. 1.

5D-274

(MG/P18-17)

EQUIPMENT QUALIFICATION REPORT

OWNER. PP&L
FACILITY SUSQUEHANNA
DOCKET NO

UNIT 1 & 2

EQDF NO. 50
COMPONENT SHEET NO 2 of 2
REV 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)

2. Qualification Environment

Position Switch

0 to 3 hours	70 psig	340°F
3 to 5 hours	Decrease to 0 psig	140°F
5 to 8 hours	70 psig	340°F
8 to 11 hours	40 psig	320°F
11 hours to 4 days	25 psig	250°F
4 days to 30 days	10 psig	200°F

3. The qualified life of the position switch is 40 years subject to periodic maintenance and replacement of the elastomeric components as recommended by Namco maintenance instructions EA 749-20010 dated 10/1/81.

4. Components are located in non sealed rooms. Any leakage due to pipe break will flow away and not flood the room.

5. ACC: 300 for 60 sec.
130 for 100 days.

6. ACC: 100 for 12 hrs.
90 after 100 days.

5D-275

(MG/P18-17)

TABLE OF CONTENTS

Section 5E NSS SCEW SHEETS

EQEL No: 78
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: ACTUATOR,MSIV
MANUFACTURER: ATWOOD & MORRILL
MODEL NUMBER: C5140

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
HV-1F028A	B21-F028A	NBS	25-4/R3,
HV-1F028B	B21-F028B	NBS	25-4/R3,
HV-1F028C	B21-F028C	NBS	27-4/R3,
HV-1F028D	B21-F028D	NBS	27-4/R3,
HV-1F022A	B21-F022A	NBS	26-4/C2d,
HV-1F022B	B21-F022B	NBS	26-4/C2d,
HV-1F022C	B21-F022C	NBS	26-4/C2d,
HV-1F022D	B21-F022D	NBS	26-4/C2d,
		UNIT 2	
HV-2F028A	B21-F028A	NBS	30-4/R3,
HV-2F028B	B21-F028B	NBS	30-4/R3,
HV-2F028C	B21-F028C	NBS	32-4/R3,
HV-2F028D	B21-F028D	NBS	32-4/R3,
HV-2F022A	B21-F022A	NBS	31-4/C2d,
HV-2F022B	B21-F022B	NBS	31-4/C2d,
HV-2F022C	B21-F022C	NBS	31-4/C2d,
HV-2F022D	B21-F022D	NBS	31-4/C2d,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 78
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: MSIV ACTUATOR CONTROL MANIFOLD MANUFACTURER: AUTOMATIC VALVE CORP. MODEL NUMBER/PPD NUMBER: C-5140 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	NOTE 3 1 HR/100 DAYS	UNK	REF. C,E	UNK	UNK	NOTE 1
	TEMPERATURE (°F)	NORM: 135 ACC: NOTE 2	UNK	REF. A	UNK	UNK	NOTE 1
	PRESSURE (PSIA)	NORM: 1.5 PSIG ACC: NOTE 2	UNK	REF. A	UNK	UNK	NOTE 1
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	UNK	REF. A	UNK	UNK	NOTE 1
	CHEMICAL SPRAY	DEMIN. WATER	UNK	REF. Q	UNK	UNK	NOTE 1
	RADIATION (RAD)	(TID) NORM: 7.0E06 GAMMA ACC: 2.0E07/2HR BETA ACC: 1.9E08/2HR	UNK	REFS. A, B,P	UNK	UNK	NOTE 1
	AGING	40 YEARS	UNK	REF. E	UNK	UNK	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6, REV. 29, 3/82, B. RADIATION SERVICE CONDITIONS FOR EQUIPMENT QUALIFICATION, C.J. HAMILTON AND M.Y. WAN, MEMO 623:CJH/MYW:287:81, GA, NOV. 5, 1981.	1. QUALIFICATION STATUS IS COMPLETE, EQUIPMENT IS NOT QUALIFIED. TYPE TESTING IN CONJUNCTION WITH TVA WILL QUALIFY THIS ITEM TO NUREG 0588, CAT. I, FOR 40 YEARS SUBJECT TO MAINTENANCE AND SURVEILLANCE SCHEDULE.

328-340-341-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
C. FSAR SECTION 5.4.5.2, REV. ORIGINAL. E. FSAR SECTION 3.11.2a.2.1 AND TABLE 3.11-2, REV. 5, FEB. 1979. P. ANALYSIS FOR RADIATION SERVICE CONDITIONS, C.A. Rouse, Doc. No. 2400:CAR:016, MARCH 12, 1982. Q. FSAR FIGURE 6.3-8A, RHR PROCESS DIAGRAM, REV. 0.	2. a) 0-45 sec. 44 psig 340°F 100% R.H. b) 45 sec.-3 hrs. 35 340°F 100% R.H. c) 3 hrs. -6 hrs. 35 320°F 100% R.H. d) 6 hrs. -24 hrs. 20 250°F 100% R.H. e) 24 hrs.-100 days 10 200° 100% R.H. 3. VALVE MUST BE OPERABLE FOR ONE HOUR UNDER LOCA/HELB CONDITIONS AND MUST NOT FAIL OPEN FOR 100 DAYS FOLLOWING A DBE.

EQEL No: 79
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: ACTUATOR, M.O.V.
MANUFACTURER: LIMITORQUE
MODEL NUMBER: SMB-00-25,SMB-3-100

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
HV-1F031A	B31-F031A	RR	26-4/C2d,
HV-1F031B	B31-F031B	RR	26-4/C2d,
HV-1F032A	B31-F032A	RR	26-4/C2d,
HV-1F032B	B31-F032B	RR	26-4/C2d,
		UNIT 2	
HV-2F031A	B31-F031A	RR	31-4/C2d,
HV-2F031B	B31-F031B	RR	31-4/C2d,
HV-2F032A	B31-F032A	RR	31-4/C2d,
HV-2F032B	B31-F032B	RR	31-4/C2d,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 79
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: MOTOR OPERATED VALVE ACTUATOR MANUFACTURER: LIMITORQUE MODEL NUMBER/PPD NUMBER: SMB-00-25, SMB-3-100 PURCHASE ORDER NO: FUNCTION/SERVICE: OPEN/CLOSE VALVE ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	2 HRS	30 DAYS	REF. N	REF.K	SIMULT TEST	NOTE 1
	TEMPERATURE (°F)	NORM: 135 ACC: NOTE 2	385	REF. F	REF. K	SIMULT TEST	NOTE 3
	PRESSURE (PSIA)	NORM: 1.5 ACC: NOTE 2	105 PSIG	REF. F	REF. K	SIMULT TEST	NOTE 1
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 2	100	REF. F	REF. K	SIMULT TEST	NOTE 1
	CHEMICAL SPRAY	DEMIN. H_2O	DEMIN. H_2O	REF. I	REF. K	SIMULT TEST	NOTE 1
	RADIATION (RAD)	(TID) NORM: 7.0E06 GAMMA ACC: 2.2E07 BETA ACC: 1.9E08	2.0E08	REF. N	REF. K	SEQUENT. TEST	NOTE 1
	AGING	40 YEARS	40 YEARS	REF. M	REF. K	SEQUENT. TEST	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
F. FSAR TABLE 3.11-6, REV. 29, MARCH 1982. I. FSAR 6.2.2 REV. 11, 1979 K. LIMITORQUE TEST REPORT B0058, JAN. 11, 1981. M. FSAR 3.11.2a.1 REV. 5, FEB. 1979. N. W.S. #5 -ATTACHMENT A, SECTION 2.0.	1. QUALIFICATION OF THIS EQUIPMENT IS COMPLETE. THE SMB-00-025 VALVE ACTUATORS ARE QUALIFIED TO NUREG 0588, CAT. II. MODEL SMB-3-100 VALVE ACTUATORS ARE QUALIFIED TO NUREG 0588, CAT. II (BY REMOVAL OF THE BRAKES.)

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
	2. a) 0-45 SEC. 44 psig 340°F 100% R.H. b) 45 sec. -3 hrs. 35 340°F 100% R.H. c) 3 Hrs.-6 Hrs. 35 320°F 100% R.H. d) 6 Hrs.-24 hrs. 20 250°F 100% R.H. e) 24 Hrs.-100 Days 10 200°F 100% R.H. 3. See Worksheet No. 5 - Attachment D.

EQEL No: 69
DATE: 4/11/83
REV: 5

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: ACTUATORS, SRV
MANUFACTURER: CROSBY
MODEL NUMBER: IMF-2

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
SV-14113A	B21-F013A	NBS	26-4/C2d,
SV-14113B	B21-F013B	NBS	26-4/C2d,
SV-14113C	B21-F013C	NBS	26-4/C2d,
SV-14113D	B21-F013D	NBS	26-4/C2d,
SV-14113E	B21-F013E	NBS	26-4/C2d,
SV-14113F	B21-F013F	NBS	26-4/C2d,
SV-14113G	B21-F013G	NBS	26-4/C2d,
SV-14113H	B21-F013H	NBS	26-4/C2d,
SV-14113J	B21-F013J	NBS	26-4/C2d,
SV-14113K	B21-F013K	NBS	26-4/C2d,
SV-14113L	B21-F013L	NBS	26-4/C2d,
SV-14113M	B21-F013M	NBS	26-4/C2d,
SV-14113N	B21-F013N	NBS	26-4/C2d,
SV-14113P	B21-F013P	NBS	26-4/C2d,
SV-14113R	B21-F013R	NBS	26-4/C2d,
SV-14113S	B21-F013S	NBS	26-4/C2d,
SV-14113G1	B21-F013G	ADS	26-4/C2d,
SV-14113G2	B21-F013G	ADS	26-4/C2d,
SV-14113J1	B21-F013J	ADS	26-4/C2d,
SV-14113J2	B21-F013J	ADS	26-4/C2d,
SV-14113K1	B21-F013K	ADS	26-4/C2d,
SV-14113K2	B21-F013K	ADS	26-4/C2d,
SV-14113L1	B21-F013L	ADS	26-4/C2d,
SV-14113L2	B21-F013L	ADS	26-4/C2d,
SV-14113M1	B21-F013M	ADS	26-4/C2d,
SV-14113M2	B21-F013M	ADS	26-4/C2d,
SV-14113N1	B21-F013N	ADS	26-4/C2d,
SV-14113N2	B21-F013N	ADS	26-4/C2d,
		UNIT 2	
SV-24113A	B21-F013A	NBS	31-4/C2d,
SV-24113B	B21-F013B	NBS	31-4/C2d,
SV-24113C	B21-F013C	NBS	31-4/C2d,
SV-24113D	B21-F013D	NBS	31-4/C2d,
SV-24113E	B21-F013E	NBS	31-4/C2d,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (cont'd)	
SV-24113F	B21-F013F	NBS	31-4/C2d,
SV-24113G	B21-F013G	NBS	31-4/C2d,
SV-24113H	B21-F013H	NBS	31-4/C2d,
SV-24113J	B21-F013J	NBS	31-4/C2d,
SV-24113K	B21-F013K	NBS	31-4/C2d,
SV-24113L	B21-F013L	NBS	31-4/C2d,
SV-24113M	B21-F013M	NBS	31-4/C2d,
SV-24113N	B21-F013N	NBS	31-4/C2d,
SV-24113P	B21-F013P	NBS	31-4/C2d,
SV-24113R	B21-F013R	NBS	31-4/C2d,
SV-24113S	B21-F013S	NBS	31-4/C2d,
SV-24113G1	B21-F013G	ADS	31-4/C2d,
SV-24113G2	B21-F013G	ADS	31-4/C2d,
SV-24113J1	B21-F013J	ADS	31-4/C2d,
SV-24113J2	B21-F013J	ADS	31-4/C2d,
SV-24113K1	B21-F013K	ADS	31-4/C2d,
SV-24113K2	B21-F013K	ADS	31-4/C2d,
SV-24113L1	B21-F013L	ADS	31-4/C2d,
SV-24113L2	B21-F013L	ADS	31-4/C2d,
SV-24113M1	B21-F013M	ADS	31-4/C2d,
SV-24113M2	B21-F013M	ADS	31-4/C2d,
SV-24113N1	B21-F013N	ADS	31-4/C2d,
SV-24113N2	B21-F013N	ADS	31-4/C2d,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 69
REV: 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: ACTUATORS, SRV MANUFACTURER: CROSBY MODEL NUMBER/PPD NUMBER: PILOT VALVE-No-1MF-2 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	100 DAYS	100 DAYS	C	O	TEST & ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 135 ACC: 340	340	D	T	SIMULT. TEST	NONE
	PRESSURE (PSIA)	NORM: 1.5 ACC: 44	105 PSIG	D	T	SIMULT. TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	D	T	SIMULT. TEST	NONE
	CHEMICAL SPRAY	DEMIN. H_2O	STEAM	WS#5 & W	T & V	TEST & ANALYSIS	NONE
	RADIATION (RAD)	(TID) NORM: 7.0E06 GAMMA ACC: 4.5E07 BETA ACC: 1.3E09	1.0E08 BETA NOTE 2	P	T & R	TEST & ANALYSIS	NONE
	AGING	40 YEARS	12 YEARS	N	O	SEQUENT. TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
C. SSES FSAR QUESTION 211.103, PAGE 211.103-1, 2, REV. 12. D. FSAR TABLE 3.11-6, REV. 31, JULY 1982. N. FSAR 3.11.2A.2.1, REV. 5, FEB. 1979. O. THERMAL AGING OF CROSBY SPV IMF-2, P. W. FLYNN, REV. A, MARCH 9, 1983.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG-0588, CATEGORY I. 2. THERE ARE NO EXPOSED MATERIALS THAT WOULD BE SUBJECT TO BETA RADIATION DAMAGE.

149-150-62-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
P. RADIATION ENVIRONMENT - 2400:CAR:036, C.A. ROUSE, FEB. 10, 1983. R. EFFECT OF INCREASING GAMMA RADIATION DOSE, 2400:CAR:055, JUNE 14, 1982. T. QUALIFICATION TEST REPORT NO. 3977 FOR CROSBY SOLENOID PILOT VALVE NO. IMF-2. V. EFFECT ON SOLENOID PILOT VALVE PART #IMF-2 OF DEMINERALIZED WATER SPRAY. W. FSAR FIGURE 6.3-8, RHR PROCESS DIAGRAM, REV. 0. WS #5. WORKSHEET #5, ATTACH. B, IN FILE SECTION 2 OF EQEL #69 BINDER.	

5E-10

EQEL No: 73
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: MSIV-LCS BLOWER
MANUFACTURER: G.E./SIEMENS
MODEL NUMBER: 2CH6 MODIFIED

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
1K208	E32-C001	MSIV LC	27-4/R1k,
1K209A	E32-C002A	MSIV LC	25-4/R1k,
1K209B	E32-C002B	MSIV LC	25-4/R1k,
		UNIT 2	
2K208	E32-C001	MSIV LC	32-4/R1k,
2K209A	E32-C002A	MSIV LC	30-4/R1k,
2K209B	E32-C002B	MSIV LC	30-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 73
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: MSIV-LCS BLOWER MANUFACTURER: G.E./SIEMENS MODEL NUMBER/PPD NUMBER: 2CH6 MODIFIED PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	100 DAYS	144 DAYS	REF. B,AA	REF. H	SIMULT. TEST	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	200/165 NOTE 2	REF. B	REF. H	SIMULT. TEST	NONE
	PRESSURE (PSIA)	NORM: -.25"wg ACC: -.25"wg	N/A	REF. B	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90	REF. B	REF. H	SIMULT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 8.5E04 BETA ACC: 1.1E06	3.0E05 GAMMA 1.2E06 BETA	REF. B,X	REF. H,P	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. M	REF.P	ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
B. FSAR TABLE 3.11-6, REV. 29, MARCH, 1982. H. LWR EQUIP. QUAL., E.L. GLASS, PP&L-088, FEB. 3, 1981. P. MATERIAL REVIEW AND AGING ANALYSIS. C. BAROZCY, GAC, REV. A, FEB. 23, 1982. M. FSAR 3.11.2A.2.1, REV. 5, FEB. 1979.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II, FOR 40 YEARS WITH A 5-YEAR REPLACEMENT SCHEDULE FOR SEALS, PACKING, AND NON-PERMANENT LUBRICATION. (SEE MAINTENANCE AND SURVEILLANCE FILE SECTION 4.0). 2. 200°F FOR 24 HOURS, 165°F FOR 99 DAYS.

5E-12

16-66-65-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
X. RADIATION ENVIRONMENT, DOC. 2400:CAR:004, C.A. ROUSE, GAC, FEB. 1, 1982. AA. LETTER - E.B. POSER TO T.M. CRIMMINS, DOC. #BLP 17637, E.B. POSER, BECHTEL, NOV. 11, 1981.	

EQEL No: 80
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: CONTROLS, HPCI TURBINE
MANUFACTURER: TERRY/WOODWARD
MODEL NUMBER: R8250-133

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
TB-0077,TB-0078	E41-C004	HPCI	28-1/R1b
		UNIT 2	
TB-0194,TB-0195	E41-C004	HPCI	33-1/R1b

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 80
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: CONTROL, HPCI TURBINE MANUFACTURER: TERRY/WOODWARD MODEL NUMBER/PPD NUMBER: R8250-133 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO:X	OPERATING TIME	12 HOURS	UNK	REF. M	REF. J,K	TYPE TEST	NOTE 1
	TEMPERATURE (°F)	NORMAL: 100°F ABNORMAL: 144°F	UNK	WS #5 REF. N	REF. J,K	TYPE TEST	NOTE 1
	PRESSURE (PSIA)	NORMAL: -.375"wg ABNORMAL: 7"wg FOR 1 HR	N/A	REF. F	REF. J,K	TYPE TEST	NOTE 1
	RELATIVE HUMIDITY (%)	NORMAL: 90 ABNORMAL: 100 FOR 1 HR	UNK	REF. F	REF. J,K	TYPE TEST	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 6.9E03 BETA ACC: N/A	UNK	REF. I,G WS #5	REF. J,K	TYPE TEST	NOTE 1
	AGING	40 YEARS	UNK	REF. H	REF. J,K	TYPE TEST	NOTE 1
	SUBMERGENCE	668 FT.	NOTE 2	REF. L	NOTE 2	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
F. FSAR TABLE 3.11-3, REV. 5, 2/79. H. FSAR SEC. 3.11.2a.2.1, REV. 5, FEB.1979 I. FSAR TABLE 3.11-6, REV. 29, 3/82. J. HPCI TURBINE TEST SPEC., TERRY CO. REV. 4 E6-204-74, NOVEMBER 4, 1981.	1. QUALIFICATION STATUS IS COMPLETE. EQUIPMENT IS NOT QUALIFIED. TESTING NECESSARY FOR QUALIFICATION TO BE PERFORMED BY GENERAL ELECTRIC (PLANNED COMPLETION BY MID 1983). 2. THE HPCI IS SUBJECT TO FLOODING DUE TO A LINE BREAK IN THE ROOM. THE HPCI SYSTEM IS NOT REQUIRED TO FUNCTION DURING FLOODING CONDITIONS AND IS NOT REQUIRED TO MITIGATE FLOODING IN THE HPCI

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
G. RCIC & HPCI RADIATION DOSES (TELECON BRISLIN (TPT) TO HOUSE (PP&L), APRIL 2, 1982). K. QUALIFICATION PLAN FOR HPCI SYSTEM ELECTRICAL AND MECHANICAL ACCESSORIES - WYLE LABORATORIES, DEC. 14, 1981. L. SUBMERGENCE TELECON, D. POUND, TPT, JAN. 6, 1983. H. SSES TECHNICAL SPECIFICATION NUREG 0931, P. 3/4, 4-7. N. TEMPERATURE OF CONTROL PANEL (PKG. #80, PP&L), C. BAROCZY, NOV. 16, 1982. WS #5. WORKSHEET #5 IN SECTION 2.0 OF EQEL NO. 80 BINDER.	ROOM. ADS, RHR (LPCI MODE) AND THE CORE SPRAY SYSTEMS ARE AVAILABLE. RHR SYSTEMS AND CORE SPRAY SYSTEMS ARE HOUSED IN SEPARATE WATERTIGHT ROOMS THAT ARE NOT SUBJECT TO A COMMON FLOODING ACCIDENT.

5E-16

EQEL No:37
DATE:2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: POWER RANGE DETECTOR ASSEMBLY
MANUFACTURER: GENERAL ELECTRIC
MODEL NUMBER: NA 200 (43 ITEMS AT EACH REACTOR)

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
NONE	B11-D193	NM	26-4/C2c,DRYWELL
		UNIT 2	
NONE	B11-D193	NM	31-4/C2c,DRYWELL

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 37
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: POWER RANGE DETECTOR ASSEMBLY MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: NA 200 (43 ITEMS) ~~PURCHASE ORDER~~ NO: 163C1154G002 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	4.5 HRS	UNK	REF. AL	REF. AH	UNK	NOTE 1
	TEMPERATURE (°F)	NORM: 185 ACC: NOTE 2	390	REF. Z	REF. W	TEST	NOTE 1
	PRESSURE (PSIA)	NORM: 1.5 ACC: NOTE 2	UNK	REF. Z	UNK	UNK	NOTE 1
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 2	UNK	REF. Z	UNK	UNK	NOTE 1
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 3.4E06 GAMMA ACC: 1.5E07 BETA ACC: 3.0E07	UNK	REF. Z,AE	UNK	UNK	NOTE 1
	AGING	2 YRS MIN.	UNK	REF. M	UNK	UNK	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
M. GENERAL ELECTRIC COMPANY SPECIFICATION NO. 22A1473 SECTION 4.4.2.7., NOV.1974 W. POWER RANGE DETECTOR - ADVANCE SYSTEMS ENG. MEMO NO. 943-81-004, JULY 23, 1981.	1. THIS PACKAGE IS COMPLETE. THE POWER RANGE DETECTOR ASSEMBLY AND THE DRYWELL ARE NOT QUALIFIED. QUALIFICATION BY TESTING IS SCHEDULED BY FIRST REFUELING (SEE ACTION PLAN, PACKAGE FILE SECTION 3.2).

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
Z. FSAR TABLE 3.11-6 REV. 29, MARCH, 1982. AE. ANALYSIS FOR RADIATION SERVICE ENVIRONMENT & REVIEW OF MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, GENERAL ATOMIC CO., TECH. DOCUMENT NO. 2400:CAR:005 OF APRIL 30, 1982. AH. POST ACCIDENT OPERABILITY OF POWER RANGE DETECTOR, GENERAL ATOMIC CO., TECH. DOC. #DCP:82:07 OF MARCH 31, 1982. AL. FSAR TABLE 3.11-2, REV. 5, FEB. 1979.	2. a) 0-45 sec. 44 psig 340°F 100% R.H. b) 45 sec.-3 hrs. 35 340°F 100% R.H. c) 3 hrs.-6 hrs. 35 320°F 100% R.H. d) 6 hrs.-24 hrs. 20 250°F 100% R.H. e) 24 hrs.-100 days 10 200°F 100% R.H.

EQEL No:36
DATE:2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: ELEMENT, FLOW
MANUFACTURER: S&K/AMETEK
MODEL NUMBER: 20-9651-8550

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
FE-1N006B	E32-N006B	MSIV LC	27-4/R1k,
FE-1N006F	E32-N006F	MSIV LC	27-4/R1k,
FE-1N006K	E32-N006K	MSIV LC	27-4/R1k,
FE-1N006P	E32-N006P	MSIV LC	27-4/R1k,
		UNIT 2	
FE-2N006B	E32-N006B	MSIV LC	32-4/R1k,
FE-2N006F	E32-N006F	MSIV LC	32-4/R1k,
FE-2N006K	E32-N006K	MSIV LC	32-4/R1k,
FE-2N006P	E32-N006P	MSIV LC	32-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 36
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: ELEMENT, FLOW MANUFACTURER: S&K/AMETEK MODEL NUMBER/PPD NUMBER: 20-9651-8550 PURCHASE ORDER NO: 163C1107B001 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	100 DAYS	100 DAYS	REF. G,Z	REF. S	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	104	REF. G	WS #4	ANALYSIS	NOTE 2
	PRESSURE (PSIA)	NORM: -.25" WG ACC: -.25" WG	-.25" WG	REF. G	WS #3	ANALYSIS	NOTE 2
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90	REF.G	WS #3	ANALYSIS	NOTE 2
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.8E04 BETA ACC: 4.0E05	2.0E04 GAMMA 4.4E05 BETA	REF. X	REF. J,X, Y	ANALYSIS TEST	NONE
	AGING	40 YEARS	>40 YEARS	REF. V	REF. S	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
G. FSAR TABLE 3.11-6 REV. 31, 7/82. J. IRRADIATION TEST OF LEAK RATE FLOW METER, #58351, WYLE LABORATORIES, OCT. 27, 1978. S. THERMAL AGING, DOC. NO. 2400:CAR:CJB:36A, C. BAROCZY, GAC, FEB. 4, 1983. V. FSAR SECTION 3.11.2a.2.1, REV. 5, FEB. 1979.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II. 2. THE ACCIDENT TEMPERATURE, PRESSURE, AND HUMIDITY ARE ESSENTIALLY UNCHANGED FROM THE CONDITIONS EXPERIENCED DURING NORMAL OPERATION.

25-248-58-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
X. ANALYSIS FOR RADIATION SERVICE ENVIRONMENT. DOCUMENT NO. 2400:CAR:019, C. A. ROUSE, GAC, REV. B, JAN. 21, 1983. Y. ANALYSIS FOR BETA RADIATION DAMAGE, TPT TECH. DOC. 2400:CAR:023, REV. A, MARCH 12, 1982. Z. BECHTEL LETTER TO PP&L, BLP 17637, E.B. POSER, NOV. 11, 1981. WS #3. WORKSHEET #3 IN SECTION 2.0 OF EQEL NO. 36 BINDER. WS #4. WORKSHEET #4 IN SECTION 2.0 OF EQEL NO. 36 BINDER.	

EQEL No: 19
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: ELEMENT,TEMP.
MANUFACTURER: PYCO
MODEL NUMBER: 02-9039

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
TE-1N011A	E51-N011A	RCIC	28-1/R1h,c,
TE-1N011B	E51-N011B	RCIC	28-1/R1h,c,
TE-1N021A	E51-N021A	RCIC	28-1/R1h,c,
TE-1N021B	E51-N021B	RCIC	28-1/R1h,c,
TE-1N022A	E51-N022A	RCIC	28-1/R1h,c,
TE-1N022B	E51-N022B	RCIC	28-2/R1h,c,
TE-1N023A	E51-N023A	RCIC	28-1/R1h,c,
TE-1N023B	E51-N023B	RCIC	28-1/R1h,c,
TE-1N025A	E51-N025A	RCIC	28-2/R1h,c,
TE-1N025B	E51-N025B	RCIC	28-3/R1h,c,
TE-1N025C	E51-N025C	RCIC	28-1/R1h,c,
TE-1N025D	E51-N025D	RCIC	28-3/R1h,c,
TE-1N026A	E51-N026A	RCIC	28-3/R1h,c,
TE-1N026B	E51-N026B	RCIC	28-3/R1h,c,
TE-1N026C	E51-N026C	RCIC	28-3/R1h,c,
TE-1N026D	E51-N026D	RCIC	28-3/R1h,c,
TE-1N027A	E51-N027A	RCIC	28-3/R1h,c,
TE-1N027B	E51-N027B	RCIC	27-3/R1h,c,
TE-1N027C	E51-N027C	RCIC	28-3/R1h,c,
TE-1N027D	E51-N027D	RCIC	28-3/R1h,c,
TE-1N009A	E11-N009A	RHR	29-2/R1g,
TE-1N009B	E11-N009B	RHR	28-2/R1g,
TE-1N009C	E11-N009C	RHR	29-2/R1g,
TE-1N009D	E11-N009D	RHR	28-2/R1g,
TE-1N029A	E11-N029A	RHR	29-2/R1g,
TE-1N029B	E11-N029B	RHR	28-2/R1g,
TE-1N029C	E11-N029C	RHR	29-2/R1g,
TE-1N029D	E11-N029D	RHR	28-2/R1g,
TE-1N030A	E11-N030A	RHR	29-2/R1g,
TE-1N030B	E11-N030B	RHR	28-2/R1g,
TE-1N030C	E11-N030C	RHR	29-2/R1g,
TE-1N030D	E11-N030D	RHR	28-2/R1g,
TE-1N010A	B21-N010A	NBS	27-4/R3,
TE-1N010B	B21-N010B	NBS	27-4/R3,
TE-1N010C	B21-N010C	NBS	27-4/R3,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1 (cont'd)	
TE-1N010D	B21-N010D	NBS	27-4/R3,
TE-1N014A	B21-N014A	NBS	25-5/R3,
TE-1N014B	B21-N014B	NBS	25-5/R3,
TE-1N014C	B21-N014C	NBS	27-5/R3,
TE-1N014D	B21-N014D	NBS	27-5/R3,
TE-1N016A	B21-N016A	NBS	25-8/R3,
TE-1N016B	B21-N016B	NBS	25-8/R3,
TE-1N016C	B21-N016C	NBS	25-8/R3,
TE-1N016D	B21-N016D	NBS	25-8/R3,
TE-1N016A	G33-N016A	RWCU	28-5/R1 d,e,j,
TE-1N016B	G33-N016B	RWCU	28-5/R1 d,e,j,
TE-1N016C	G33-N016C	RWCU	28-5/R1 d,e,j,
TE-1N016D	G33-N016D	RWCU	28-5/R1 d,e,j,
TE-1N016E	G33-N016E	RWCU	28-5/R1 d,e,j,
TE-1N016F	G33-N016F	RWCU	28-5/R1 d,e,j,
TE-1N022A	G33-N022A	RWCU	28-5/R1 d,e,f,
TE-1N022B	G33-N022B	RWCU	28-5/R1 d,e,f,
TE-1N022C	G33-N022C	RWCU	28-5/R1 d,e,f,
TE-1N022D	G33-N022D	RWCU	28-5/R1 d,e,f,
TE-1N022E	G33-N022E	RWCU	28-5/R1 d,e,f,
TE-1N022F	G33-N022F	RWCU	28-5/R1 d,e,f,
TE-1N023A	G33-N023A	RWCU	28-5/R1 d,e,f,
TE-1N023B	G33-N023B	RWCU	28-5/R1 d,e,f,
TE-1N023C	G33-N023C	RWCU	28-5/R1 d,e,f,
TE-1N023D	G33-N023D	RWCU	28-5/R1 d,e,f,
TE-1N023E	G33-N023E	RWCU	28-5/R1 d,e,f,
TE-1N023F	G33-N023F	RWCU	28-5/R1 d,e,f,
TE-1N024A	E41-N024A	HPCI	28-1/R1b,
TE-1N024B	E41-N024B	HPCI	28-1/R1b,
TE-1N028A	E41-N028A	HPCI	28-1/R1b,
TE-1N028B	E41-N028B	HPCI	28-1/R1b,
TE-1N029A	E41-N029A	HPCI	28-2/R1b,
TE-1N029B	E41-N029B	HPCI	28-2/R1b,
TE-1N030A	E41-N030A	HPCI	28-1/R1b,
TE-1N030B	E41-N030B	HPCI	28-1/R1b,
		UNIT 2	
TE-2N011A	E51-N011A	RCIC	33-1/R1h,c,
TE-2N011B	E51-N011B	RCIC	33-1/R1h,c,
TE-2N021A	E51-N021A	RCIC	33-1/R1h,c,
TE-2N021B	E51-N021B	RCIC	33-1/R1h,c,
TE-2N022A	E51-N022A	RCIC	33-1/R1h,c,
TE-2N022B	E51-N022B	RCIC	33-2/R1h,c,
TE-2N023A	E51-N023A	RCIC	33-1/R1h,c,
TE-2N023B	E51-N023B	RCIC	33-1/R1h,c,
TE-2N025A	E51-N025A	RCIC	33-2/R1h,c,
TE-2N025B	E51-N025B	RCIC	33-3/R1h,c,
TE-2N025C	E51-N025C	RCIC	33-1/R1h,c,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (cont'd)	
TE-2N025D	E51-N025D	RCIC	33-3/R1h,c,
TE-2N026A	E51-N026A	RCIC	33-3/R1h,c,
TE-2N026B	E51-N026B	RCIC	33-3/R1h,c,
TE-2N026C	E51-N026C	RCIC	33-3/R1h,c,
TE-2N026D	E51-N026D	RCIC	33-3/R1h,c,
TE-2N027A	E51-N027A	RCIC	33-3/R1h,c,
TE-2N027B	E51-N027B	RCIC	32-3/R1h,c,
TE-2N027C	E51-N027C	RCIC	33-3/R1h,c,
TE-2N027D	E51-N027D	RCIC	33-3/R1h,c,
TE-2N009A	E11-N009A	RHR	34-2/R1g,
TE-2N009B	E11-N009B	RHR	33-2/R1g,
TE-2N009C	E11-N009C	RHR	34-2/R1g,
TE-2N009D	E11-N009D	RHR	33-2/R1g,
TE-2N029A	E11-N029A	RHR	34-2/R1g,
TE-2N029B	E11-N029B	RHR	33-2/R1g,
TE-2N029C	E11-N029C	RHR	34-2/R1g,
TE-2N029D	E11-N029D	RHR	33-2/R1g,
TE-2N030A	E11-N030A	RHR	34-2/R1g,
TE-2N030B	E11-N030B	RHR	33-2/R1g,
TE-2N030C	E11-N030C	RHR	34-2/R1g,
TE-2N030D	E11-N030D	RHR	33-2/R1g,
TE-2N010A	B21-N010A	NBS	30-8/R3,
TE-2N010B	B21-N010B	NBS	30-8/R3,
TE-2N010C	B21-N010C	NBS	32-8/R3,
TE-2N010D	B21-N010D	NBS	32-8/R3,
TE-2N014A	B21-N014A	NBS	32-5/R3,
TE-2N014B	B21-N014B	NBS	32-5/R3,
TE-2N014C	B21-N014C	NBS	30-5/R3,
TE-2N014D	B21-N014D	NBS	30-5/R3,
TE-2N016A	B21-N016A	NBS	30-8/R3,
TE-2N016B	B21-N016B	NBS	30-8/R3,
TE-2N016C	B21-N016C	NBS	30-8/R3,
TE-2N016D	B21-N016D	NBS	30-8/R3,
TE-2N016A	G33-N016A	RWCU	34-5/R1 d,e,j,
TE-2N016B	G33-N016B	RWCU	34-5/R1 d,e,j,
TE-2N016C	G33-N016C	RWCU	34-5/R1 d,e,j,
TE-2N016D	G33-N016D	RWCU	34-5/R1 d,e,j,
TE-2N016E	G33-N016E	RWCU	34-5/R1 d,e,j,
TE-2N016F	G33-N016F	RWCU	34-5/R1 d,e,j,
TE-2N022A	G33-N022A	RWCU	34-5/R1 d,e,f,
TE-2N022B	G33-N022B	RWCU	34-5/R1 d,e,f,
TE-2N022C	G33-N022C	RWCU	34-5/R1 d,e,f,
TE-2N022D	G33-N022D	RWCU	34-5/R1 d,e,f,
TE-2N022E	G33-N022E	RWCU	34-5/R1 d,e,f,
TE-2N022F	G33-N022F	RWCU	34-5/R1 d,e,f,
TE-2N023A	G33-N023A	RWCU	34-5/R1 d,e,f,
TE-2N023B	G33-N023B	RWCU	34-5/R1 d,e,f,
TE-2N023C	G33-N023C	RWCU	34-5/R1 d,e,f,
TE-2N023D	G33-N023D	RWCU	34-5/R1 d,e,f,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (cont'd)	
TE-2N023E	G33-N023E	RWCU	34-5/R1 d,e,f,
TE-2N023F	G33-N023F	RWCU	34-5/R1 d,e,f,
TE-2N024A	E41-N024A	HPCI	33-1/R1b,
TE-2N024B	E41-N024B	HPCI	33-1/R1b,
TE-2N028A	E41-N028A	HPCI	33-1/R1b,
TE-2N028B	E41-N028B	HPCI	33-1/R1b,
TE-2N029A	E41-N029A	HPCI	33-2/R1b,
TE-2N029B	E41-N029B	HPCI	33-2/R1b,
TE-2N030A	E41-N030A	HPCI	33-1/R1b,
TE-2N030B	E41-N030B	HPCI	33-1/R1b,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 19
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: TEMPERATURE ELEMENT MANUFACTURER: PYCO MODEL NUMBER/PPD NUMBER: 02-9039 PURCHASE ORDER NO: 145C3224R001 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES X NO:	OPERATING TIME	48 HOURS	30 DAYS	REF. U	REF. F,X	SEQT. TEST ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 130 ACC: NOTE 2	346	REF. C	REF. F,V	SEQUENTIAL TEST	NONE
	PRESSURE (PSIA)	NORM: -0.375"WG ACC: NOTE 3	113 PSIG	REF. C	REF. F	SEQUENTIAL TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 4	100	REF. C	REF. F	SEQUENTIAL TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD) (TID) GAMMA BETA	NORM: 3.4E04 ACC: 1.7E07 ACC: 1.1E06	2.0E08	REF. C	REF. F	SEQUENTIAL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. S	REF. W,F	SEQT.TEST ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
C. FSAR TABLE 3.11-6, REV. 29, MARCH 1982. F. TAPE TRANSCRIPT DV 145C3224 RE QUAL TEST PLAN 060675, REV. 1. S. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979 (TEST SEQUENCE). U. TEMPERATURE DETECTORS-LONGEVITY REQUIREMENTS, R. WISE, APRIL 28, 1982.	1. THIS EQUIPMENT MEETS THE REQUIREMENTS OF NUREG 0588, CAT II SUBJECT TO MAINTENANCE AND SURVEILLANCE SCHEDULE, FILE SECTION 4.0. 2. TEMPERATURES: 300° FOR 60 SEC., 130°F FOR 48 HRS. 3. PRESSURE: 8.2 PSIG FOR 15 SEC., -.25"WG FOR 48 HRS. 4. HUMIDITY: 100% FOR 12 HRS., 90% FOR 100 DAYS.

EQUIPMENT QUALIFICATION REPORT

OWNER: PP&L

FACILITY: SUSQUEHANNA

UNIT 1 & UNIT 2

EQEL NO: 19

DOCKET NO: PLANT ID NO.

REV. 6 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
V. MATERIALS SIGNIFICANTLY SUSCEPTIBLE TO AGING, D. RYDER, DOC. NO. 2400:DWR:019, APRIL 26, 1982. W. THERMAL AGING OF TEMPERATURE ELEMENT, D. W. RYDER, DOC. NO. 2400:DWR:19, APRIL 26, 1982. X. POST ACCIDENT OPERABILITY OF TEMPERATURE ELEMENT, P.W. FLYNN, DOC. NO. 2400:PWF:19-1A, MARCH 8, 1982.	

EQEL No: 72
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: HEATER ASSY,MSIV LC
MANUFACTURER: G.E.
MODEL NUMBER: DRWG NO 47D518673/47C518675G1

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
1E203A	E32-B001A	MSIV LC	27-4/R1k,
1E203B	E32-B001B	MSIV LC	27-4/R1k,
1E203C	E32-B001C	MSIV LC	27-4/R1k,
1E203D	E32-B001D	MSIV LC	27-4/R1k,
		UNIT 2	
2E203A	E32-B001A	MSIV LC	32-4/R1k,
2E203B	E32-B001B	MSIV LC	32-4/R1k,
2E203C	E32-B001C	MSIV LC	32-4/R1k,
2E203D	E32-B001D	MSIV LC	32-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 72
REV: 4 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: HEATER ASSY,MSIV LC MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: DRWG NO 47D518673/47C518675G1 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO:	OPERATING TIME	100 DAYS	100 DAYS	REF. B,V	REF. K	SIMULT TEST	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	150	REF. B	REF. F	SIMULT TEST	NONE
	PRESSURE (PSIA)	NORM:-.25" WG ACC:-.25" WG	N/A	REF. B	WS #5, ATTACH A	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90	REF. B	WS #5 ATTACH A	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC:6.0E04 BETA ACC:1.1E06	2.0E08 GAMMA NOTE 2 BETA	REF. B,S	REF. F,R WS #5	ANALYSIS/ SIMUL TEST	NONE
	AGING	40 YEARS	40 YEARS	REF. M	WS #5 ATTACH A	ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
B. FSAR TABLE 3.11-6 REV. 29, 3/82. F. LWR EQUIP. QUAL. SUMMARY SP-PPL 009, AND ER-PPL-009, WYLE/NUTECH, FEB. 1981. M. FSAR 3.11.2a.2.1 TEST SEQUENCE REV. 5 FEB. 1979.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II. SUBJECT TO MAINTENANCE & SURVEILLANCE. 2. THERE ARE NO EXPOSED MATERIALS THAT WOULD BE SUBJECT TO BETA RADIATION DAMAGE.

9-77-78-1

EQUIPMENT QUALIFICATION REPORT

OWNER: PP&L

FACILITY: SUSQUEHANNA

UNIT 1 & UNIT 2

EQEL NO: 72

DOCKET NO: PLANT ID NO.

REV. 4 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
K. REVIEW OF DATA AT SAN JOSE, P. BOORTZ ,TPT, OCT. 25, 1981.	
R. TELEPHONE COM., C.A. ROUSE, TPT, APRIL 21, 1982.	
S. NEW BREMSSTRAHLUNG DOSE CALCULATIONS, 2400: CAR:053, C. A. ROUSE, TPT, 5/17/82.	
V. BECHTEL LETTER TO PP&L, E.B. POSER, DOC. 17637, NOV. 11, 1981.	
WS #5. WORKSHEET #5 IN SECTION 2.0 OF EQEL NO. 72 BINDER.	

EQEL No: 61
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: IONIZATION CHAMBER
MANUFACTURER: GENERAL ELECTRIC
MODEL NUMBER: NA05

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
RE-1N006A	D12-N006A	PR	27-4/R3,
RE-1N006B	D12-N006B	PR	27-4/R3,
RE-1N006C	D12-N006C	PR	27-4/R3,
RE-1N006D	D12-N006D	PR	27-4/R3,
		UNIT 2	
RE-2N006A	D12-N006A	PR	32-4/R3,
RE-2N006B	D12-N006B	PR	32-4/R3,
RE-2N006C	D12-N006C	PR	32-4/R3,
RE-2N006D	D12-N006D	PR	32-4/R3,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 61
REV: 7 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: IONIZATION CHAMBER (DETECTOR) MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: NA05 PURCHASE ORDER NO: 237X731G003 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	IMMEDIATE	1 HOUR	REF. I	REF. J,O	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM:130 ACC:130 NOTE 2	160°F	REF. A	REF. R	EXPERIENCE SEPARATE TEST	NONE
	PRESSURE (PSIA)	NORM:-.375"WG ACC:-.25"WG	284	REF. A	REF. J	SEPARATE TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	REF. A	REF. O,R	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM:1.8E06 GAMMA ACC:1.9E06 BETA ACC:5.0E03	NOTE 3 BETA 1.0E07 GAMMA	REF. A,N	REF. N,R	ANALYSIS, EXPERIENCE	NONE
	AGING	40 YEARS	5 YEARS	REF. H	REF. O,R	EXPERIENCE ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6 REV. 29, 3/82. H. FSAR SECTION 3.11.2A.2.1, REV. 5, FEB., 1979. I. FSAR SECTION 7.3.1.1a.2.4.1.2 REV. 17, SEPT. 1980.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II FOR A PERIOD OF 5 YEARS. QUALIFICATION MAY BE EXTENDED BEYOND 5 YEARS BY ADDITIONAL OPERATING EXPERIENCE. 2. CHAMBER ONLY EXPERIENCES LONG TERM SATURATION TEMPERATURES DUE TO A CLOSED INSULATED INSTALLATION WITHIN A CONCRETE WALL SEPARATING THE TURBINE BUILDING FROM THE MAIN STEAM TUNNEL. TEMPERATURES AND

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
J. "MAIN STEAM LINE APPLICATION FOR STANDARD 3" GAMMA ION CHAMBER," DESIGN MEMO 2.17, GE, OCT. 4, 1972. N. "ANALYSIS FOR MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, DOC. NO. 2400:CAR:025A, C.A. ROUSE, MARCH 19, 1982. O. "ANALYSIS FOR MATERIALS SUSCEPTIBLE TO AGING" DOC. NO. 2400:DWR:016A, D. W. RYDER, MARCH 19, 1982; R. "REQUEST FOR ENVIRONMENT QUAL. INFORMATION. MAIN STEAM LINE RADIATION DET. PBAPS," W. BOYER, PHILADELPHIA ELECTRIC, APRIL 16, 1982. V. "RANGES OF RADIATION DAMAGE THRESHOLDS FOR EQUIPMENT QUALIFICATION PROGRAM," 2400: CAR:052, C.A. ROUSE, MAY 14, 1982.	RADIATION CONDITIONS ARE THOSE OF THE STEAM TUNNEL, KEY R3; PRESSURE AND IMMEDIATE ATMOSPHERE ARE THOSE OF THE TURBINE BUILDING MILD AREA. 3. THERE ARE NO EXPOSED MATERIALS THAT WOULD BE SUBJECT TO BETA RADIATION DAMAGE.

EQEL No: 84
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: LOCAL ELECTRICAL PANELS
MANUFACTURER: G.E.
MODEL NUMBER: N/A

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
1C001	H23-P001	CSS	27-1/R1a,
1C002	H23-P002	RWCS	28-5/R1m,
1C004	H23-P004	NBS,MSIV-LCS	29-5/R1m,
1C005	H23-P005	NBS,MSIV-LCS	27-5/R1m,
1C009	H23-P009	NBS	29-4/R1k,
1C010	H23-P010	NBS,RWCS	25-4/R1k,
1C014	H23-P014	HPCI	25-1/R1a,
1C015	H23-P015	NBS	27-4/R1k,
1C016	H23-P016	HPCI	28-3/R1m,
1C017	H23-P017	RCIC	28-1/R1h,
1C018	H23-P018	RHR	29-1/R1m,
1C019	H23-P019	CSS	25-1/R1a,
1C021	H23-P021	RHR	28-3/R1m,
1C025	H23-P025	NBS	25-4/R1k,
1C035	H23-P035	RCIC	29-4/R1k,
1C036	H23-P036	HPCI	25-3/R1m,
1C037	H23-P037	RCIC	28-2/R1m,
1C038	H23-P038	RCIC	28-4/R1k,
1C041	H23-P041	NBS	29-4/R1k,
1C042	H23-P042	NBS	25-4/R1k,
1C057	H23-P057	RPS,RHR	28-6/R4,
1C058	H23-P058	RPS	27-6/R1f,
1C073	H23-P073	MSIV-LCS	25-4/R1k,
1C074	H23-P074	MSIV-LCS	27-4/R1k,
		UNIT 2	
2C001	H23-P001	CSS	32-1/R1a,
2C002	H23-P002	RWCS	34-5/R1m,
2C004	H23-P004	NBS,MSIV-LCS	33-5/R1m,
2C005	H23-P005	NBS,MSIV-LCS	30-5/R1m,
2C009	H23-P009	NBS	34-4/R1k,
2C010	H23-P010	NBS,RWCS	30-4/R1k,
2C014	H23-P014	HPCI	30-1/R1a,
2C015	H23-P015	NBS	32-4/R1k,
2C016	H23-P016	HPCI	33-3/R1m,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (cont'd)	
2C017	H23-P017	RCIC	33-1/R1h,
2C018	H23-P018	RHR	34-1/R1m,
2C019	H23-P019	CSS	30-1/R1a,
2C021	H23-P021	RHR	33-3/R1m,
2C025	H23-P025	NBS	30-4/R1k,
2C035	H23-P035	RCIC	34-4/R1k,
2C036	H23-P036	HPCI	30-3/R1m,
2C037	H23-P037	RCIC	33-2/R1m,
2C038	H23-P038	RCIC	33-4/R1k,
2C041	H23-P041	NBS	34-4/R1k,
2C042	H23-P042	NBS	30-4/R1k,
2C057	H23-P057	RPS,RHR	33-6/R4,
2C058	H23-P058	RPS	32-6/R1f,
2C073	H23-P073	MSIV-LCS	30-4/R1k,
2C074	H23-P074	MSIV-LCS	32-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 84
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: LOCAL ELECTRICAL PANEL (NOTE 4) MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: NA PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO: (NOTE 9)	OPERATING TIME	100 DAYS	100 DAYS	C,I	D,G	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM 104 ACC: NOTE 2	NOTE 3	C	G	ANALYSIS	NONE
	PRESSURE (PSIA)	NORM: -.375"WG ACC: 0.6 PSIG	0.6 PSIG	C	NOTE 6	ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	C	NOTE 7	ANALYSIS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD)	(TID) NORM: NOTE 8 GAMMA ACC: NOTE 8 BETA ACC: NOTE 8	NOTE 5	C	D	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	C	D,G	ANALYSIS	NOTE 1
	SUBMERGENCE	668	NOTE 9	J	NOTE 9	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
C. FSAR TABLE 3.11-6, PER MEMO 0170083, BECHTEL POWER CORP., JUNE 22, 1982. D. "ANALYSIS FOR MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE" DOC. NO. 2400:IMT:001, TPT, SEPT. 9, 1982. I. BECHTEL LETTER TO PP&L, BLP 17637, E.B. POSER, NOV. 11, 1981.	1. THESE ITEMS ARE QUALIFIED TO NUREG 0588, CAT. II REQUIREMENTS SUBJECT TO MAINTENANCE AND SURVEILLANCE. 2. ACCIDENT TEMPERATURE: 240°F FOR 25 SEC., 130°F FOR 100 DAYS. 3. QUALIFICATION TEMPERATURE: NORMAL OF 104°F FOR 12.5 YEARS, ACCIDENT OF 300°F FOR 60 SEC., 130°F FOR 100 DAYS.

291-292-293-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
G. "ANALYSIS FOR THERMAL AGING OF TERMINAL AND SPLICE BOX MAT'L," DOC. NO. 2400:PWF:84A, P. W. FLYNN, TPT, AUG. 3, 1983. J. SUBMERGENCE TELECON, D. POUND, TPT, JAN. 6, 1983.	4. THE LOCAL ELECTRICAL PANELS HAVE THE FOLLOWING COMPONENTS: HOFFMAN NEMA 12 ENCLOSURE (TERMINAL BOX), HOFFMAN "CH" CONTINUOUS HINGE CLAMP COVER (TERMINAL BOX), HOFFMAN SMALL SCREW COVER WIRING (SPLICE) BOX, STATES TYPE NT TERMINAL BLOCK, AMP TERMINAL LUGS, RAYCHEM FLAMTROL WIRE (14 AWG, 18 AWG), ANACONDA NS TYPE SIS WIRE (14 AWG), ROCKBESTOS G FIREWALL TYPE SIS WIRE (14 AWG), VULKENE 600V WIRE (14 AWG), BELDEN CSA TEW 105°C WIRE, ANACONDA SEALTITE FLEX CONDUIT, THOMAS AND BETTS CO. LIQUIDTIGHT FLEXIBLE CONDUIT INSULATED 90° CONNECTOR, AMP BUTT SPLICES, HOLLINGSWORTH SPLICES, HEAT SHRINK TUBING. 5. THE LOCAL ELECTRICAL PANELS ARE QUALIFIED TO $2x10^6$ RADS, WHICH IS THE THRESHOLD FOR COMPRESSION SET OF THE NEOPRENE DOOR GASKETS. THIS DOSE OF $2x10^6$ RADS CORRESPONDS TO ABOUT 20 YEARS OF OPERATION INCLUDING ACCIDENT. 6. THE PRESSURE DIFFERENTIAL BETWEEN NORMAL AND ACCIDENT CONDITIONS IS TOO SMALL TO AFFECT OPERABILITY OF ANY COMPONENTS IN THE PANELS. 7. RELATIVE HUMIDITY WILL NOT AFFECT THE INTEGRITY OF THE COMPONENTS IN THE LOCAL ELECTRICAL PANELS. ALL COMPONENTS THAT CONDUCT SIGNALS TO THE CONTROLLING EQUIPMENT FOR THE NSSS ARE ENCLOSED IN SEALED METAL CABINETS OR CONDUIT. 8. MOST SEVERE RADIATION ZONE IS R1F WITH A TOTAL GAMMA DOSE OF $3.5x10^6$ RADS AND A BETA DOSE OF $4.3x10^5$ RADS.
9. THE LOCAL PANELS ARE SUBJECT TO FLOODING DUE TO A LINE BREAK IN THE ROOM IN WHICH THE PANEL IS LOCATED. THESE PANELS ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND ARE NOT REQUIRED TO MITIGATE FLOODING IN THE ROOM. SEVERAL OF THE PANELS ARE LOCATED IN VARIOUS WATERTIGHT ROOMS THAT ARE SUBJECT TO FLOODING, ONE ROOM AT A TIME, WITHOUT ANY CROSS FLOODING. THE PANELS FOR SYSTEMS IN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT SYSTEMS (HPCI,RCIC,RHR, AND CS). IF A PANEL (ROOM) BECOMES FLOODED, THE PANEL IN THE OTHER SAFETY DIVISION STILL IS CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON THE FAILURE OF THE ALTERNATE, FOR THE RCIC SYSTEM THE HPCI SYSTEM IS USED, FOR THE CS SYSTEM THE RHR SYSTEM (LPCI MODE) IS USED, FOR THE RHR SYSTEM, THE CS SYSTEM IS USED, FOR THE HPCI SYSTEM THE ADS, RHR (LPCI MODE) AND CORE SPRAY SYSTEM IS USED.	

EQEL No: 76
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: MOTOR, CS PUMP
MANUFACTURER: G.E.
MODEL NUMBER: 5K6338XC76A

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
1P206A	E21-C001A	CS	27-1/R1a,
1P206B	E21-C001B	CS	25-1/R1a,
1P206C	E21-C001C	CS	27-1/R1a,
1P206D	E21-C001D	CS	25-1/R1a,
		UNIT 2	
2P206A	E21-C001A	CS	32-1/R1a,
2P206B	E21-C001B	CS	30-1/R1a,
2P206C	E21-C001C	CS	32-1/R1a,
2P206D	E21-C001D	CS	30-1/R1a,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 76
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: MOTOR, CS PUMP MANUFACTURER: G.E. MODEL NUMBER/PPD NUMBER: 5K6338XC76A PURCHASE ORDER NO: 992C302FF FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV 668' ABOVE FLOOD LEVEL? YES: NO: X	OPERATING TIME	100 DAYS	100 DAYS	REF. F,L	REF.M,R	TEST, ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104/60 ACC: 130	144	REF. L	REF. M,R	TEST, ANALYSIS	NONE
	PRESSURE (PSIA)	NORM: -.375"WG ACC: -.25"WG	N/A	N/A	N/A	N/A	NOTE 1,3
	RELATIVE HUMIDITY (%)	NORM: 90/10 ACC: 100-12HRS ACC: 90-100DAYS	N/A	REF. L	N/A	N/A	NOTE 1,2
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.77E06 BETA ACC: 4.0E05	5.5 E06 GAMMA 4.35 E05 BETA	REF. L,T V	REF. R,Q, W	TEST ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. F	REF. R,Q	ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 4	REF. X	NOTE 4	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
L. FSAR TABLE 3.11-6, REV. 31, JULY 1982. F. BECHTEL LETTER TO PP&L, E. B. POSER, DOC. 17637, NOVEMBER 11, 1981. M. GE DOCUMENT 456 HA 898/REV. 9. Q. MATERIAL SIMILARITY ANALYSIS, DOCUMENT 2400:RAB:001, R.A. BARKER, GAC, MARCH 6, 1982.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II, SUBJECT TO MAINTENANCE AND SURVEILLANCE REQUIREMENTS GIVEN IN FILE SECTION 4.0. 2. QUALIFICATION DEPENDENT ON USE OF SPACE HEATERS WHEN MOTORS ARE NOT IN OPERATION TO RESOLVE PROBLEMS DUE TO HUMIDITY. 3. MOTOR INSENSITIVE TO PRESSURE EFFECTS IN ACCIDENT (REF. M).

14-254-52-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
R. MARGIN ANALYSIS, DOC. 2400:RAB:002, R.A. BARKER, GAC, MARCH 9, 1982. T. RADIATION ENVIRONMENT ANALYSIS, DOC. 2400: CAR:011, C.A. ROUSE, GAC, JAN. 19, 1983. V. NEW BREMSSTRAHLUNG DOSE CALCULATIONS; DOC. 2400:CAR:053, C. A. ROUSE, MAY 17, 1982. W. ANALYSIS FOR EXPOSED ELASTOMERS, DOC. NO. 2400:CAR:066, C.A. ROUSE, JAN. 19, 1983. X. SUBMERGENCE-TELECON, D.C. POUND TO E.D. DUBOST, JAN. 19, 1983.	4. THE CS SYSTEM IS DIVIDED INTO TWO INDEPENDENT LOOPS WHICH ARE LOCATED IN SEPARATE COMPARTMENTS THAT ARE NOT SUBJECT TO SIMULTANEOUS FLOODING. ANY ACCIDENT LEADING TO THE SUBMERGENCE OF ONE LOOP CANNOT AFFECT THE OTHER LOOP. IF A SINGLE FAILURE OF THE REMAINING LOOP IS ENCOUNTERED, THE LPCI MODE OF THE RHR SYSTEM (DIVISION I AND II) IS AVAILABLE.

EQEL No: 71
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: MOTOR, RHR PUMP
MANUFACTURER: G.E.
MODEL NUMBER: 5K6356XC10A

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
1P202A	E11-C002A	RHR	29-1/R1g,
1P202B	E11-C002B	RHR	28-1/R1g,
1P202C	E11-C002C	RHR	29-1/R1g,
1P202D	E11-C002D	RHR	28-1/R1g,
		UNIT 2	
2P202A	E11-C002A	RHR	33-1/R1g,
2P202B	E11-C002B	RHR	34-1/R1g,
2P202C	E11-C002C	RHR	33-1/R1g,
2P202D	E11-C002D	RHR	34-1/R1g,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 71
REV: 7 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: MOTOR, RHR PUMP MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: 5K6356XC10A PURCHASE ORDER NO: 082C689 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. 668' ABOVE FLOOD LEVEL? YES: NO: X	OPERATING TIME	100 DAYS	100 DAYS	D,Q	DD,Y	TEST, ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: NOTE 2	144	D	DD,Y	TEST, ANALYSIS	NOTE 1,2
	PRESSURE (PSIA)	NORM:-.375" WG ACC: NOTE 3	N/A	D	N/A	N/A	NOTE 1,3
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 4	N/A	D	N/A	N/A	NOTE 1,4
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 3.5E04 GAMMA ACC:1.7E06 BETA ACC:4.3E05	5E05 BETA 1.8E07 GAMMA	D,FF	Y,DD,HH	TEST, ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	D,Q	Y,DD,N	TEST ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 5	II	NOTE 5	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
D. FSAR TABLE 3.11-6, REV. 31, 7/82. Q. BECHTEL LETTER TO PP&L, E.P. POSER, DATED NOVEMBER 11, 1982. N. ECCS MOTOR QUAL PROG., GE, 22A4722, 1/12/77. Y. GE DOCUMENT 456 HA 898/REV. 9. DD. MARGIN ANALYSIS, 2400:RAB:004, GAC, 3/12/82.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II. 2. TEMPERATURE: 296°F FOR 60 SEC., 130°F FOR 100 DAYS, MOTOR TEMPERATURE UNAFFECTED BY SPIKE DUE TO HIGH THERMAL INERTIA (REF. Y). 3. PRESSURE: 1.84 PSIG FOR 60 SEC., -.25"WG FOR 100 DAYS, MOTOR OPERATOR UNAFFECTED BY SPIKE (REF. Y).

EQUIPMENT QUALIFICATION REPORT

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO: PLANT ID NO.

UNIT 1 & UNIT 2

EQEL NO: 71
REV. 7 DATE 4/11/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
FF. ANALYSIS FOR RADIATION DOSE INSIDE RHR PUMP MOTOR DOC 2400:CAR:026, GAC. JAN. 12, 1983. II. SUBMERGENCE - TELECON D.C. POUND JANUARY 6, 1983. HH. ANALYSIS - EXPOSED ELASTOMERS, DOC. 2400: CAR:065, C.A. ROUSE, GAC, 1/17/83.	4. RELATIVE HUMIDITY MAXIMUM: 100%, 1-12 HOURS: 90%, 12 HOURS TO 100 DAYS, RELATIVE HUMIDITY EFFECTS NEGLIGIBLE, SUBJECT TO SPACE HEATER USE WHEN MOTOR IS NOT IN OPERATION (REF. Y). 5. FLOODING AT ELEVATION 645' IS 23' ONE ROOM AT A TIME. ROOMS ARE SEALED AND WILL NOT CROSS FLOOD. ANY ACCIDENT LEADING TO THE SUBMERGENCE OF ONE LOOP CANNOT AFFECT THE OTHER. IF A SINGLE FAILURE OF THE REMAINING LOOP IS ENCOUNTERED, THE CORE SPRAY SYSTEM (DIVISION I AND II) IS AVAILABLE.

EQEL No: 59A
DATE: 4/11/83
REV: 5

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SENSOR & CONVERTER
MANUFACTURER: G.E.
MODEL NUMBER: 194x927G11

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
RE-0n017A	D12-N017A	PR	12-7/CS8,
RE-0N017B	D12-N017B	PR	12-7/CS8,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 59A
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: SENSOR & CONVERTER MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: 194x927G11 PURCHASE ORDER NO: 194x927 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	100 DAYS	100 DAYS	REF. T	REF. AI	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104°F ACC: 104°F	176°F	REF. I	REF. AJ	TEST	NONE
	PRESSURE (PSIA)	NORM: ATMOS ACC: ATMOS	N/A	REF. I	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 100 ACC: 100	100	REF. I	REF. AJ	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.9E05 BETA ACC: 4.5E05	2.55E03 GAMMA NOTE 2 BETA	REF. I	REF. AH	ANALYSIS	NOTE 1
	AGING	40 YEARS	UNK	REF. R	UNK	ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
I. FSAR TABLE 3.11-6, REV. 31, JULY 1982 R. FSAR SECTION 3.11.2a.2.1, REV. 5, FEB. 1979. T. REVIEW OF EQEL PACKAGE 59 OPERATIONAL TIME REQUIREMENTS, R. JENNINGS, TPT, FEB. 24, 1982.	1. THIS PACKAGE IS COMPLETE. THE SENSOR & CONVERTER IS NOT QUALIFIED. QUALIFICATION WILL BE DONE BY RELOCATION TO A REGION HAVING A LOWER DOSE RATE DURING AND AFTER A DBE. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
AH. "RADIATION EFFECTS ON SENSOR-CONVERTER," TECH. DOC. 2400:DCP:82:32, D. C. POUND, JAN. 25, 1983. AI. MATERIALS PROPERTIES AND THERMAL AGING TECH. DOC. 2400:CJB:59A, C. J. BAROCZY, JAN. 25, 1983. AJ. SUPPLIER DOCUMENT SEARCH, (PKG. 2), D. POUND, OCT. 31, 1982.	

EQEL No: 59B
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SENSOR & CONVERTER
MANUFACTURER: G.E.
MODEL NUMBER: 194x927G11

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
UNK	D12-N010A	PR	25-8/R5,
UNK	D12-N010B	PR	25-8/R5,
UNK	D12-N015A	PR	29-7/R5,
UNK	D12-N015B	PR	29-7/R5,
UNK	D12-N016A	PR	29-4/R1m,
UNK	D12-N016B	PR	29-4/R1m,
		UNIT 2	
UNK	D12-N010A	PR	32-8/R5,
UNK	D12-N010B	PR	32-8/R5,
UNK	D12-N015A	PR	33-7/R5,
UNK	D12-N015B	PR	33-7/R5,
UNK	D12-N016A	PR	34-4/R1m,
UNK	D12-N016B	PR	34-4/R1m,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 59B
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: SENSOR & CONVERTER MANUFACTURER: GENERAL ELECTRIC MODEL NUMBER/PPD NUMBER: 194x927G11 PURCHASE ORDER NO: 194x927 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	16 SEC	100 DAYS	T	AI	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100°F ACC: 104°F	176°F	I	AJ	TEST	NONE
	PRESSURE (PSIA)	NORM: -0.25"WG ACC: -0.25"WG	N/A	I	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 95 ACC: 100	100	I	AJ	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.0E03 BETA ACC: 1.9E03	2.55×10^3 GAMMA NOTE 2 BETA	I, WS#2	AH	ANALYSIS	NONE
	AGING	40 YEARS	8.0 YEARS	R	AI	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
I. FSAR TABLE 3.11.6, REV. 31, JULY 1982 R. FSAR SECTION 3.11.2a.2.1, REV. 5, FEB. 1979. T. "REVIEW OF EQEL PACKAGE 59 OPERATIONAL TIME REQUIREMENTS," R. JENNINGS, TPT, FEB. 24, 1982.	1. THIS ITEM IS QUALIFIED TO NUREG-0588, CAT. II REQUIREMENTS. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

131-132-133-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
AH. RADIATION EFFECTS ON SENSOR-CONVERTER, TECH. DOC. 2400:DCP:82:32, JAN. 25, 1983. AI. MATERIALS PROPERTIES AND THERMAL AGING, TECH. DOC. 2400:CJB:59A, JAN. 25, 1983. AJ. SUPPLIER'S DOCUMENT SEARCH (PKG. 2) D. POUND, OCT. 31, 1982.	

EQEL No: 82
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SCRAM VALVE, DUAL AIR HDR
MANUFACTURER: ASCO
MODEL NUMBER: HT8323A23

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
SV-1F009	C12-F009	CRD	28-4/R1k,
		UNIT 2	
SV-2F009	C12-F009	CRD	33-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 82
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: SCRAM VALVE-(DISCH.VOL.) PILOT AIR MANUFACTURER: ASCO MODEL NUMBER/PPD NUMBER: HT8323A23 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	10 MIN	>70 MIN	REF. M	REF. A,C,N	TEST, ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	330	REF. B	REF. C,N	TEST, ANALYSIS	NONE
	PRESSURE (PSIA)	NORM:-.25"WG ACC:-.25"WG	NA	REF. B	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	100	REF.B	REF. C	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.1E03 BETA ACC: 4.3E03	>1.0E05 (GAMMA+ BETA) NOTE 2	REF. A,B	REF. A	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. Q	REF. J	OPER EXP. MAINT.	NOTE 1,
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. RADIATION ANALYSIS-DOC. NO. 2400:CAR:040, REV. B, FEB. 7, 1983. B. FSAR TABLE 3.11-6, REV. 31, JULY, 1982. C. GA REPORT, GULF-GA-A1205, MAY 30, 1972. J. IE-BULLETIN 78-14, DEC. 1978. M. FSAR TABLE 3.11-3, REV. 14, FEB. 1980.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG-0588, CATEGORY II REQUIREMENTS. THE SOLENOID VALVE WILL BE REBUILT EVERY 7 YEARS. SEE MAINTENANCE AND SURVEILLANCE REQUIREMENTS, PACKAGE FILE SECTION 4.0. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
N. THERMAL AGING ANALYSIS - DOC. NO. 2400:CJB: 82B, REV. B, FEB. 21, 1983. Q. FSAR 3.11.2a.2.1, REV. 5, FEB. 1979.	

EQEL No: 81
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SCRAM VALVE, HCU
MANUFACTURER: ASCO
MODEL NUMBER: HVA-176-816-1

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
SV-14722C6	C12-D001(EP139)	CRD	/R1k,
SV-14723A6	C12-D001(EP139)	CRD	/R1k,
SV-14724B6	C12-D001(EP139)	CRD	/R1k,
SV-14725D6	C12-D001(EP139)	CRD	/R1k,
SV-14726C6	C12-D001(EP139)	CRD	/R1k,
SV-14727D6	C12-D001(EP139)	CRD	/R1k,
SV-14728B6	C12-D001(EP139)	CRD	/R1k,
SV-14729C6	C12-D001(EP139)	CRD	/R1k,
SV-14731B6	C12-D001(EP139)	CRD	/R1k,
SV-14731D6	C12-D001(EP139)	CRD	/R1k,
SV-14732A6	C12-D001(EP139)	CRD	/R1k,
SV-14732B6	C12-D001(EP139)	CRD	/R1k,
SV-14732C6	C12-D001(EP139)	CRD	/R1k,
SV-14732D6	C12-D001(EP139)	CRD	/R1k,
SV-14733A6	C12-D001(EP139)	CRD	/R1k,
SV-14733B6	C12-D001(EP139)	CRD	/R1k,
SV-14733C6	C12-D001(EP139)	CRD	/R1k,
SV-14733D6	C12-D001(EP139)	CRD	/R1k,
SV-14734A6	C12-D001(EP139)	CRD	/R1k,
SV-14734B6	C12-D001(EP139)	CRD	/R1k,
SV-14734C6	C12-D001(EP139)	CRD	/R1k,
SV-14734D6	C12-D001(EP139)	CRD	/R1k,
SV-14735A6	C12-D001(EP139)	CRD	/R1k,
SV-14735B6	C12-D001(EP139)	CRD	/R1k,
SV-14735C6	C12-D001(EP139)	CRD	/R1k,
SV-14735D6	C12-D001(EP139)	CRD	/R1k,
SV-14736A6	C12-D001(EP139)	CRD	/R1k,
SV-14736C6	C12-D001(EP139)	CRD	/R1k,
SV-14736D6	C12-D001(EP139)	CRD	/R1k,
SV-14737B6	C12-D001(EP139)	CRD	/R1k,
SV-14737C6	C12-D001(EP139)	CRD	/R1k,
SV-14737D6	C12-D001(EP139)	CRD	/R1k,
SV-14738A6	C12-D001(EP139)	CRD	/R1k,
SV-14738B6	C12-D001(EP139)	CRD	/R1k,
SV-14738D6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 1 (cont'd)	
SV-14739A6	C12-D001(EP139)	CRD	/R1k,
SV-14739C6	C12-D001(EP139)	CRD	/R1k,
SV-14739D6	C12-D001(EP139)	CRD	/R1k,
SV-14741A6	C12-D001(EP139)	CRD	/R1k,
SV-14741C6	C12-D001(EP139)	CRD	/R1k,
SV-14742A6	C12-D001(EP139)	CRD	/R1k,
SV-14742B6	C12-D001(EP139)	CRD	/R1k,
SV-14742C6	C12-D001(EP139)	CRD	/R1k,
SV-14742D6	C12-D001(EP139)	CRD	/R1k,
SV-14743A6	C12-D001(EP139)	CRD	/R1k,
SV-14743B6	C12-D001(EP139)	CRD	/R1k,
SV-14743C6	C12-D001(EP139)	CRD	/R1k,
SV-14743D6	C12-D001(EP139)	CRD	/R1k,
SV-14744A6	C12-D001(EP139)	CRD	/R1k,
SV-14744B6	C12-D001(EP139)	CRD	/R1k,
SV-14744C6	C12-D001(EP139)	CRD	/R1k,
SV-14744D6	C12-D001(EP139)	CRD	/R1k,
SV-14745A6	C12-D001(EP139)	CRD	/R1k,
SV-14745B6	C12-D001(EP139)	CRD	/R1k,
SV-14745C6	C12-D001(EP139)	CRD	/R1k,
SV-14745D6	C12-D001(EP139)	CRD	/R1k,
SV-14746A6	C12-D001(EP139)	CRD	/R1k,
SV-14746C6	C12-D001(EP139)	CRD	/R1k,
SV-14746D6	C12-D001(EP139)	CRD	/R1k,
SV-14747A6	C12-D001(EP139)	CRD	/R1k,
SV-14747B6	C12-D001(EP139)	CRD	/R1k,
SV-14747C6	C12-D001(EP139)	CRD	/R1k,
SV-14748D6	C12-D001(EP139)	CRD	/R1k,
SV-14751B6	C12-D001(EP139)	CRD	/R1k,
SV-14751D6	C12-D001(EP139)	CRD	/R1k,
SV-14752A6	C12-D001(EP139)	CRD	/R1k,
SV-14752B6	C12-D001(EP139)	CRD	/R1k,
SV-14752C6	C12-D001(EP139)	CRD	/R1k,
SV-14752D6	C12-D001(EP139)	CRD	/R1k,
SV-14753A6	C12-D001(EP139)	CRD	/R1k,
SV-14753B6	C12-D001(EP139)	CRD	/R1k,
SV-14753C6	C12-D001(EP139)	CRD	/R1k,
SV-14753D6	C12-D001(EP139)	CRD	/R1k,
SV-14754A6	C12-D001(EP139)	CRD	/R1k,
SV-14754B6	C12-D001(EP139)	CRD	/R1k,
SV-14754C6	C12-D001(EP139)	CRD	/R1k,
SV-14754D6	C12-D001(EP139)	CRD	/R1k,
SV-14755A6	C12-D001(EP139)	CRD	/R1k,
SV-14755B6	C12-D001(EP139)	CRD	/R1k,
SV-14755C6	C12-D001(EP139)	CRD	/R1k,
SV-14755D6	C12-D001(EP139)	CRD	/R1k,
SV-14756A6	C12-D001(EP139)	CRD	/R1k,
SV-14756B6	C12-D001(EP139)	CRD	/R1k,
SV-14756C6	C12-D001(EP139)	CRD	/R1k,
SV-14756D6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 1 (cont'd)	
SV-14757A6	C12-D001(EP139)	CRD	/R1k,
SV-14757B6	C12-D001(EP139)	CRD	/R1k,
SV-14757C6	C12-D001(EP139)	CRD	/R1k,
SV-14757D6	C12-D001(EP139)	CRD	/R1k,
SV-14758B6	C12-D001(EP139)	CRD	/R1k,
SV-14758D6	C12-D001(EP139)	CRD	/R1k,
SV-14758C6	C12-D001(EP139)	CRD	/R1k,
SV-14759A6	C12-D001(EP139)	CRD	/R1k,
SV-14759C6	C12-D001(EP139)	CRD	/R1k,
SV-14761A6	C12-D001(EP139)	CRD	/R1k,
SV-14761C6	C12-D001(EP139)	CRD	/R1k,
SV-14762A6	C12-D001(EP139)	CRD	/R1k,
SV-14762B6	C12-D001(EP139)	CRD	/R1k,
SV-14762C6	C12-D001(EP139)	CRD	/R1k,
SV-14762D6	C12-D001(EP139)	CRD	/R1k,
SV-14763A6	C12-D001(EP139)	CRD	/R1k,
SV-14763B6	C12-D001(EP139)	CRD	/R1k,
SV-14763C6	C12-D001(EP139)	CRD	/R1k,
SV-14763D6	C12-D001(EP139)	CRD	/R1k,
SV-14764A6	C12-D001(EP139)	CRD	/R1k,
SV-14764B6	C12-D001(EP139)	CRD	/R1k,
SV-14764C6	C12-D001(EP139)	CRD	/R1k,
SV-14764D6	C12-D001(EP139)	CRD	/R1k,
SV-14765A6	C12-D001(EP139)	CRD	/R1k,
SV-14765B6	C12-D001(EP139)	CRD	/R1k,
SV-14765C6	C12-D001(EP139)	CRD	/R1k,
SV-14765D6	C12-D001(EP139)	CRD	/R1k,
SV-14766A6	C12-D001(EP139)	CRD	/R1k,
SV-14766B6	C12-D001(EP139)	CRD	/R1k,
SV-14766C6	C12-D001(EP139)	CRD	/R1k,
SV-14766D6	C12-D001(EP139)	CRD	/R1k,
SV-14767A6	C12-D001(EP139)	CRD	/R1k,
SV-14767B6	C12-D001(EP139)	CRD	/R1k,
SV-14767C6	C12-D001(EP139)	CRD	/R1k,
SV-14767D6	C12-D001(EP139)	CRD	/R1k,
SV-14768D6	C12-D001(EP139)	CRD	/R1k,
SV-14771B6	C12-D001(EP139)	CRD	/R1k,
SV-14771D6	C12-D001(EP139)	CRD	/R1k,
SV-14772A6	C12-D001(EP139)	CRD	/R1k,
SV-14772B6	C12-D001(EP139)	CRD	/R1k,
SV-14772C6	C12-D001(EP139)	CRD	/R1k,
SV-14772D6	C12-D001(EP139)	CRD	/R1k,
SV-14773A6	C12-D001(EP139)	CRD	/R1k,
SV-14773B6	C12-D001(EP139)	CRD	/R1k,
SV-14773C6	C12-D001(EP139)	CRD	/R1k,
SV-14773D6	C12-D001(EP139)	CRD	/R1k,
SV-14774A6	C12-D001(EP139)	CRD	/R1k,
SV-14774B6	C12-D001(EP139)	CRD	/R1k,
SV-14774C6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 1 (cont'd)	
SV-14774D6	C12-D001(EP139)	CRD	/R1k,
SV-14775A6	C12-D001(EP139)	CRD	/R1k,
SV-14775B6	C12-D001(EP139)	CRD	/R1k,
SV-14775C6	C12-D001(EP139)	CRD	/R1k,
SV-14775D6	C12-D001(EP139)	CRD	/R1k,
SV-14776A6	C12-D001(EP139)	CRD	/R1k,
SV-14776B6	C12-D001(EP139)	CRD	/R1k,
SV-14776C6	C12-D001(EP139)	CRD	/R1k,
SV-14776D6	C12-D001(EP139)	CRD	/R1k,
SV-14777A6	C12-D001(EP139)	CRD	/R1k,
SV-14777B6	C12-D001(EP139)	CRD	/R1k,
SV-14777C6	C12-D001(EP139)	CRD	/R1k,
SV-14777D6	C12-D001(EP139)	CRD	/R1k,
SV-14778B6	C12-D001(EP139)	CRD	/R1k,
SV-14778C6	C12-D001(EP139)	CRD	/R1k,
SV-14779C6	C12-D001(EP139)	CRD	/R1k,
SV-14781A6	C12-D001(EP139)	CRD	/R1k,
SV-14781C6	C12-D001(EP139)	CRD	/R1k,
SV-14782A6	C12-D001(EP139)	CRD	/R1k,
SV-14782B6	C12-D001(EP139)	CRD	/R1k,
SV-14782C6	C12-D001(EP139)	CRD	/R1k,
SV-14782D6	C12-D001(EP139)	CRD	/R1k,
SV-14783A6	C12-D001(EP139)	CRD	/R1k,
SV-14783B6	C12-D001(EP139)	CRD	/R1k,
SV-14783C6	C12-D001(EP139)	CRD	/R1k,
SV-14783D6	C12-D001(EP139)	CRD	/R1k,
SV-14784A6	C12-D001(EP139)	CRD	/R1k,
SV-14784B6	C12-D001(EP139)	CRD	/R1k,
SV-14784C6	C12-D001(EP139)	CRD	/R1k,
SV-14784D6	C12-D001(EP139)	CRD	/R1k,
SV-14785A6	C12-D001(EP139)	CRD	/R1k,
SV-14785B6	C12-D001(EP139)	CRD	/R1k,
SV-14785C6	C12-D001(EP139)	CRD	/R1k,
SV-14785D6	C12-D001(EP139)	CRD	/R1k,
SV-14786A6	C12-D001(EP139)	CRD	/R1k,
SV-14786B6	C12-D001(EP139)	CRD	/R1k,
SV-14786C6	C12-D001(EP139)	CRD	/R1k,
SV-14787A6	C12-D001(EP139)	CRD	/R1k,
SV-14787B6	C12-D001(EP139)	CRD	/R1k,
SV-14787D6	C12-D001(EP139)	CRD	/R1k,
SV-14788B6	C12-D001(EP139)	CRD	/R1k,
SV-14788D6	C12-D001(EP139)	CRD	/R1k,
SV-14789A6	C12-D001(EP139)	CRD	/R1k,
SV-14791B6	C12-D001(EP139)	CRD	/R1k,
SV-14792D6	C12-D001(EP139)	CRD	/R1k,
SV-14793C6	C12-D001(EP139)	CRD	/R1k,
SV-14794A6	C12-D001(EP139)	CRD	/R1k,
SV-14795D6	C12-D001(EP139)	CRD	/R1k,
SV-14796A6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 1 (cont'd)	
SV-14797D6	C12-D001(EP139)	CRD	/R1k,
SV-14798B6	C12-D001(EP139)	CRD	/R1k,
		UNIT 2	
SV-24722C6	C12-D001(EP139)	CRD	/R1k,
SV-24723A6	C12-D001(EP139)	CRD	/R1k,
SV-24724B6	C12-D001(EP139)	CRD	/R1k,
SV-24725D6	C12-D001(EP139)	CRD	/R1k,
SV-24726C6	C12-D001(EP139)	CRD	/R1k,
SV-24727D6	C12-D001(EP139)	CRD	/R1k,
SV-24728B6	C12-D001(EP139)	CRD	/R1k,
SV-24729C6	C12-D001(EP139)	CRD	/R1k,
SV-24731B6	C12-D001(EP139)	CRD	/R1k,
SV-24731D6	C12-D001(EP139)	CRD	/R1k,
SV-24732A6	C12-D001(EP139)	CRD	/R1k,
SV-24732B6	C12-D001(EP139)	CRD	/R1k,
SV-24732C6	C12-D001(EP139)	CRD	/R1k,
SV-24732D6	C12-D001(EP139)	CRD	/R1k,
SV-24733A6	C12-D001(EP139)	CRD	/R1k,
SV-24733B6	C12-D001(EP139)	CRD	/R1k,
SV-24733C6	C12-D001(EP139)	CRD	/R1k,
SV-24733D6	C12-D001(EP139)	CRD	/R1k,
SV-24734A6	C12-D001(EP139)	CRD	/R1k,
SV-24734B6	C12-D001(EP139)	CRD	/R1k,
SV-24734C6	C12-D001(EP139)	CRD	/R1k,
SV-24734D6	C12-D001(EP139)	CRD	/R1k,
SV-24735A6	C12-D001(EP139)	CRD	/R1k,
SV-24735B6	C12-D001(EP139)	CRD	/R1k,
SV-24735C6	C12-D001(EP139)	CRD	/R1k,
SV-24735D6	C12-D001(EP139)	CRD	/R1k,
SV-24736A6	C12-D001(EP139)	CRD	/R1k,
SV-24736C6	C12-D001(EP139)	CRD	/R1k,
SV-24736D6	C12-D001(EP139)	CRD	/R1k,
SV-24737B6	C12-D001(EP139)	CRD	/R1k,
SV-24737C6	C12-D001(EP139)	CRD	/R1k,
SV-24737D6	C12-D001(EP139)	CRD	/R1k,
SV-24738A6	C12-D001(EP139)	CRD	/R1k,
SV-24738B6	C12-D001(EP139)	CRD	/R1k,
SV-24738D6	C12-D001(EP139)	CRD	/R1k,
SV-24739A6	C12-D001(EP139)	CRD	/R1k,
SV-24739C6	C12-D001(EP139)	CRD	/R1k,
SV-24739D6	C12-D001(EP139)	CRD	/R1k,
SV-24741A6	C12-D001(EP139)	CRD	/R1k,
SV-24741C6	C12-D001(EP139)	CRD	/R1k,
SV-24742A6	C12-D001(EP139)	CRD	/R1k,
SV-24742B6	C12-D001(EP139)	CRD	/R1k,
SV-24742C6	C12-D001(EP139)	CRD	/R1k,
SV-24742D6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 2 (cont'd)	
SV-24743A6	C12-D001(EP139)	CRD	/R1k,
SV-24743B6	C12-D001(EP139)	CRD	/R1k,
SV-24743C6	C12-D001(EP139)	CRD	/R1k,
SV-24743D6	C12-D001(EP139)	CRD	/R1k,
SV-24744A6	C12-D001(EP139)	CRD	/R1k,
SV-24744B6	C12-D001(EP139)	CRD	/R1k,
SV-24744C6	C12-D001(EP139)	CRD	/R1k,
SV-24744D6	C12-D001(EP139)	CRD	/R1k,
SV-24745A6	C12-D001(EP139)	CRD	/R1k,
SV-24745B6	C12-D001(EP139)	CRD	/R1k,
SV-24745C6	C12-D001(EP139)	CRD	/R1k,
SV-24745D6	C12-D001(EP139)	CRD	/R1k,
SV-24746A6	C12-D001(EP139)	CRD	/R1k,
SV-24746C6	C12-D001(EP139)	CRD	/R1k,
SV-24746D6	C12-D001(EP139)	CRD	/R1k,
SV-24747A6	C12-D001(EP139)	CRD	/R1k,
SV-24747B6	C12-D001(EP139)	CRD	/R1k,
SV-24747C6	C12-D001(EP139)	CRD	/R1k,
SV-24748D6	C12-D001(EP139)	CRD	/R1k,
SV-24751B6	C12-D001(EP139)	CRD	/R1k,
SV-24751D6	C12-D001(EP139)	CRD	/R1k,
SV-24752A6	C12-D001(EP139)	CRD	/R1k,
SV-24752B6	C12-D001(EP139)	CRD	/R1k,
SV-24752C6	C12-D001(EP139)	CRD	/R1k,
SV-24752D6	C12-D001(EP139)	CRD	/R1k,
SV-24753A6	C12-D001(EP139)	CRD	/R1k,
SV-24753B6	C12-D001(EP139)	CRD	/R1k,
SV-24753C6	C12-D001(EP139)	CRD	/R1k,
SV-24753D6	C12-D001(EP139)	CRD	/R1k,
SV-24754A6	C12-D001(EP139)	CRD	/R1k,
SV-24754B6	C12-D001(EP139)	CRD	/R1k,
SV-24754C6	C12-D001(EP139)	CRD	/R1k,
SV-24754D6	C12-D001(EP139)	CRD	/R1k,
SV-24755A6	C12-D001(EP139)	CRD	/R1k,
SV-24755B6	C12-D001(EP139)	CRD	/R1k,
SV-24755C6	C12-D001(EP139)	CRD	/R1k,
SV-24755D6	C12-D001(EP139)	CRD	/R1k,
SV-24756A6	C12-D001(EP139)	CRD	/R1k,
SV-24756B6	C12-D001(EP139)	CRD	/R1k,
SV-24756C6	C12-D001(EP139)	CRD	/R1k,
SV-24756D6	C12-D001(EP139)	CRD	/R1k,
SV-24757A6	C12-D001(EP139)	CRD	/R1k,
SV-24757B6	C12-D001(EP139)	CRD	/R1k,
SV-24757C6	C12-D001(EP139)	CRD	/R1k,
SV-24757D6	C12-D001(EP139)	CRD	/R1k,
SV-24758B6	C12-D001(EP139)	CRD	/R1k,
SV-24758D6	C12-D001(EP139)	CRD	/R1k,
SV-24758C6	C12-D001(EP139)	CRD	/R1k,
SV-24759A6	C12-D001(EP139)	CRD	/R1k,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 2 (cont'd)	
SV-24759C6	C12-D001(EP139)	CRD	/Rlk,
SV-24761A6	C12-D001(EP139)	CRD	/Rlk,
SV-24761C6	C12-D001(EP139)	CRD	/Rlk,
SV-24762A6	C12-D001(EP139)	CRD	/Rlk,
SV-24762B6	C12-D001(EP139)	CRD	/Rlk,
SV-24762C6	C12-D001(EP139)	CRD	/Rlk,
SV-24762D6	C12-D001(EP139)	CRD	/Rlk,
SV-24763A6	C12-D001(EP139)	CRD	/Rlk,
SV-24763B6	C12-D001(EP139)	CRD	/Rlk,
SV-24763C6	C12-D001(EP139)	CRD	/Rlk,
SV-24763D6	C12-D001(EP139)	CRD	/Rlk,
SV-24764A6	C12-D001(EP139)	CRD	/Rlk,
SV-24764B6	C12-D001(EP139)	CRD	/Rlk,
SV-24764C6	C12-D001(EP139)	CRD	/Rlk,
SV-24764D6	C12-D001(EP139)	CRD	/Rlk,
SV-24765A6	C12-D001(EP139)	CRD	/Rlk,
SV-24765B6	C12-D001(EP139)	CRD	/Rlk,
SV-24765C6	C12-D001(EP139)	CRD	/Rlk,
SV-24765D6	C12-D001(EP139)	CRD	/Rlk,
SV-24766A6	C12-D001(EP139)	CRD	/Rlk,
SV-24766B6	C12-D001(EP139)	CRD	/Rlk,
SV-24766C6	C12-D001(EP139)	CRD	/Rlk,
SV-24766D6	C12-D001(EP139)	CRD	/Rlk,
SV-24767A6	C12-D001(EP139)	CRD	/Rlk,
SV-24767B6	C12-D001(EP139)	CRD	/Rlk,
SV-24767C6	C12-D001(EP139)	CRD	/Rlk,
SV-24767D6	C12-D001(EP139)	CRD	/Rlk,
SV-24768D6	C12-D001(EP139)	CRD	/Rlk,
SV-24771B6	C12-D001(EP139)	CRD	/Rlk,
SV-24771D6	C12-D001(EP139)	CRD	/Rlk,
SV-24772A6	C12-D001(EP139)	CRD	/Rlk,
SV-24772B6	C12-D001(EP139)	CRD	/Rlk,
SV-24772C6	C12-D001(EP139)	CRD	/Rlk,
SV-24772D6	C12-D001(EP139)	CRD	/Rlk,
SV-24773A6	C12-D001(EP139)	CRD	/Rlk,
SV-24773B6	C12-D001(EP139)	CRD	/Rlk,
SV-24773C6	C12-D001(EP139)	CRD	/Rlk,
SV-24773D6	C12-D001(EP139)	CRD	/Rlk,
SV-24774A6	C12-D001(EP139)	CRD	/Rlk,
SV-24774B6	C12-D001(EP139)	CRD	/Rlk,
SV-24774C6	C12-D001(EP139)	CRD	/Rlk,
SV-24774D6	C12-D001(EP139)	CRD	/Rlk,
SV-24775A6	C12-D001(EP139)	CRD	/Rlk,
SV-24775B6	C12-D001(EP139)	CRD	/Rlk,
SV-24775C6	C12-D001(EP139)	CRD	/Rlk,
SV-24775D6	C12-D001(EP139)	CRD	/Rlk,
SV-24776A6	C12-D001(EP139)	CRD	/Rlk,
SV-24776B6	C12-D001(EP139)	CRD	/Rlk,
SV-24776C6	C12-D001(EP139)	CRD	/Rlk,

PLANT ID	MPL NO.	SYSTEM	AREA
		UNIT 2 (cont'd)	
SV-24776D6	C12-D001(EP139)	CRD	/R1k,
SV-24777A6	C12-D001(EP139)	CRD	/R1k,
SV-24777B6	C12-D001(EP139)	CRD	/R1k,
SV-24777C6	C12-D001(EP139)	CRD	/R1k,
SV-24777D6	C12-D001(EP139)	CRD	/R1k,
SV-24778B6	C12-D001(EP139)	CRD	/R1k,
SV-24778C6	C12-D001(EP139)	CRD	/R1k,
SV-24779C6	C12-D001(EP139)	CRD	/R1k,
SV-24781A6	C12-D001(EP139)	CRD	/R1k,
SV-24781C6	C12-D001(EP139)	CRD	/R1k,
SV-24782A6	C12-D001(EP139)	CRD	/R1k,
SV-24782B6	C12-D001(EP139)	CRD	/R1k,
SV-24782C6	C12-D001(EP139)	CRD	/R1k,
SV-24782D6	C12-D001(EP139)	CRD	/R1k,
SV-24783A6	C12-D001(EP139)	CRD	/R1k,
SV-24783B6	C12-D001(EP139)	CRD	/R1k,
SV-24783C6	C12-D001(EP139)	CRD	/R1k,
SV-24783D6	C12-D001(EP139)	CRD	/R1k,
SV-24784A6	C12-D001(EP139)	CRD	/R1k,
SV-24784B6	C12-D001(EP139)	CRD	/R1k,
SV-24784C6	C12-D001(EP139)	CRD	/R1k,
SV-24784D6	C12-D001(EP139)	CRD	/R1k,
SV-24785A6	C12-D001(EP139)	CRD	/R1k,
SV-24785B6	C12-D001(EP139)	CRD	/R1k,
SV-24785C6	C12-D001(EP139)	CRD	/R1k,
SV-24785D6	C12-D001(EP139)	CRD	/R1k,
SV-24786A6	C12-D001(EP139)	CRD	/R1k,
SV-24786B6	C12-D001(EP139)	CRD	/R1k,
SV-24786C6	C12-D001(EP139)	CRD	/R1k,
SV-24787A6	C12-D001(EP139)	CRD	/R1k,
SV-24787B6	C12-D001(EP139)	CRD	/R1k,
SV-24787D6	C12-D001(EP139)	CRD	/R1k,
SV-24788B6	C12-D001(EP139)	CRD	/R1k,
SV-24788D6	C12-D001(EP139)	CRD	/R1k,
SV-24789A6	C12-D001(EP139)	CRD	/R1k,
SV-24791B6	C12-D001(EP139)	CRD	/R1k,
SV-24792D6	C12-D001(EP139)	CRD	/R1k,
SV-24793C6	C12-D001(EP139)	CRD	/R1k,
SV-24794A6	C12-D001(EP139)	CRD	/R1k,
SV-24795D6	C12-D001(EP139)	CRD	/R1k,
SV-24796A6	C12-D001(EP139)	CRD	/R1k,
SV-24797D6	C12-D001(EP139)	CRD	/R1k,
SV-24798B6	C12-D001(EP139)	CRD	/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 81
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: HCU SCRAM PILOT AIR VALVE MANUFACTURER: ASCO MODEL NUMBER/PPD NUMBER: HVA-176-816-1 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	10 MIN	>70 MIN	REF. M	REFS. A,C,N	TEST, ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	330	REF. B	REF. C,N	TEST, ANALYSIS	NONE
	PRESSURE (PSIA)	NORM: -.25" WG ACC: -.25" WG	NA	REF. B	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	100	REF. B	REF. C	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.1E03 BETA ACC: 4.3E03	NOTE 2 BETA 1.0E05 GAMMA	REF. A,B	REF. A	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. P	REF. J	OPER EXP. MAINT.	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. RADIATION ANALYSIS-DOC. NO. 2400:CAR: 041, REV. B, C. A. ROUSE, FEB. 7, 1983. B. FSAR TABLE 3.11-6, REV. 31, JULY, 1982. C. GA REPORT, GULF-GA-A1205, MAY 30, 1972. J. IE-BULLETIN 78-14, DEC. 1978. M. FSAR TABLE 3.11-3, REV. 14, FEB. 1980.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG-0588, CATEGORY II REQUIREMENTS. THE SOLENOID VALVE WILL BE REBUILT EVERY 7 YEARS. SEE MAINTENANCE AND SURVEILLANCE REQUIREMENTS PACKAGE FILE SECTION 4.0. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

200-201-272-1

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO: PLANT ID NO.

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 81
REV. 6 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
N. THERMAL AGING ANALYSIS - DOC. NO. 2400:CJB: 81B, REV. B, C. J. BAROCZY, MARCH 1, 1983. P. FSAR 3.11.2a.2.1, REV. 5, FEB. 1979.	

EQEL No: 83
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SCRAM VALVE, PILOT AIR HDR
MANUFACTURER: ASCO
MODEL NUMBER: HT 8316C37

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
SV-110A	C12-F110A	CRD	28-4/R1k
SV-110B	C12-F110B	CRD	28-4/R1k
		UNIT 2	
SV-110A	C12-F110A	CRD	33-4/R1k
SV-110B	C12-F110B	CRD	33-4/R1k

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 83
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: SCRAM PILOT VALVE (AIR HDR) MANUFACTURER: ASCO MODEL NUMBER/PPD NUMBER: HT 8316C37 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	10 MIN	>70 MIN	REF. M	REFS. A,C,N	TEST, ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	330	REF. B	REF. C,N	TEST, ANALYSIS	NONE
	PRESSURE (PSIA)	NORM: -.25" WG ACC: -.25" WG	NA	REF. B	N/A	N/A	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	100	REF. B	REF. C	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.1E03 BETA ACC: 4.3E03	GAMMA + BETA 1.0E05	REF. A,B	REF. A	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. Q	REF. J	OPER EXP. MAINT.	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. RADIATION ANALYSIS-DOC. NO. 2400:CAR:042, REV. B, C. A. ROUSE, FEB. 7, 1983. B. FSAR TABLE 3.11-6, REV. 31, JULY, 1982. C. GA REPORT, GULF-GA-A1205, MAY 30, 1972. J. IE-BULLETIN 78-14, DEC. 1978. M. FSAR TABLE 3.11-3, REV. 14, FEB. 1980.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG-0588, CATEGORY II REQUIREMENTS. THE SOLENOID VALVE WILL BE REBUILT EVERY 7 YEARS. SEE MAINTENANCE AND SURVEILLANCE REQUIREMENTS PACKAGE FILE SECTION 4.0.

200-201-272-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
N. THERMAL AGING ANALYSIS - DOC. NO. 2400:CJB: 83C, REV. C, C. J. BAROCZY, FEB. 22, 1983. Q. FSAR 3.11.2a.2.1, REV. 5, FEB. 1979.	

EQEL No: 24
DATE: 4/11/83
REV: 5

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,LEVEL
MANUFACTURER: MAGNETROL
MODEL NUMBER: 3.5-751-1X-MPG-M14HY,5.0-751-1X-MPG-M13HY,
5.0-751-2X-MPG-M14HY

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
LSH-1N015A	E41-N015A	HPCI	27-2/R1a,
LSH-1N015B	E41-N015B	HPCI	27-2/R1a,
LSH-1N023A	E11-N023A	RHR	29-2/R1g,
LSH-1N023B	E11-N023B	RHR	28-2/R1g,
LSH-1N024	E11-N024	RHR	29-2/R1g,
LSH-1N013A	C12-N013A	CRD	29-4/R1k,
LSH-1N013B	C12-N013B	CRD	29-4/R1k,
LSH-1N013C	C12-N013C	CRD	28-4/R1k,
LSH-1N013D	C12-N013D	CRD	28-4/R1k,
LSH-1N010	E51-N010	RCIC	28-1/R1h,
LSH-1N014	E41-N014	HPCI	28-1/R1a,
		UNIT 2	
LSH-2N015A	E41-N015A	HPCI	32-2/R1a,
LSH-2N015B	E41-N015B	HPCI	32-2/R1a,
LSH-2N023A	E11-N023A	RHR	34-2/R1g,
LSH-2N023B	E11-N023B	RHR	33-2/R1g,
LSH-2N024	E11-N024	RHR	34-2/R1g,
LSH-2N013A	C12-N013A	CRD	34-4/R1k,
LSH-2N013B	C12-N013B	CRD	34-4/R1k,
LSH-2N013C	C12-N013C	CRD	33-4/R1k,
LSH-2N013D	C12-N013D	CRD	33-4/R1k,
LSH-2N010	E51-N010	RCIC	33-1/R1h,
LSH-2N014	E41-N014	HPCI	33-1/R1a,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 24
REV: 7 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: LEVEL SWITCH MANUFACTURER: MAGNETROL MODEL NUMBER/PPD NUMBER: SEE NOTE 5 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO:X	OPERATING TIME	100 DAYS	120 DAYS	E,W	H	SEQUENT. TEST	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: NOTE 2	NOTE 6	E	H,L	ANALYSIS SEQ.TEST	NONE
	PRESSURE (PSIA)	NORM:-0.25" WG ACC: NOTE 3	ATMOS	E	H	TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	E	H	SEQUENT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID)NORM: 3.5E04 GAMMA ACC: 1.8E06 BETA ACC: 4.1E05	GAMMA: 1.9E07 BETA: NOTE 4	E,K	H,K	TEST AND ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	G	H,L	TEST AND ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 7	V	NOTE 7	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. G. FSAR 3.11.2a.2.1, REV. 5, FEB. 1979. H. WYLE TEST REPORT NO. 43235.1, REV. A, MAY 2, 1977. L. AGING ANALYSIS DOCUMENT NO. 2400:CJB:24A, REV. A, C. J. BAROCZY, APRIL 3, 1982.	1. THIS ITEM MEETS THE REQUIREMENTS OF NUREG 0588, CAT. II, SUBJECT TO MAINTENANCE AND SURVEILLANCE REQ. SHEET 2, SET A, FILE SECTION 4. 2. TEMPERATURE: 296° FOR 60 SEC., 130° FOR 100 DAYS. 3. PRESSURE: 1.84 PSIG FOR 60 SEC., -.25"WG FOR 100 DAYS. 4. THERE ARE NO EXPOSED MATERIALS THAT WOULD BE SUBJECT TO BETA RADIATION DAMAGE.

134-135-389-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
K. MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, DOC. NO. 2400:EH:001A, REV. C, E. HETTERGOTT, APRIL 4, 1983. V. SUBMERGENCE TELECON, D.C. POUND TO E.D. DUBOST, JANUARY 6, 1983. W. BECHTEL LETTER TO PP&L, BLP-17637, E.B. POSER, NOV. 11, 1981.	5. MODEL NUMBERS: 3.5-751-1X-MPG-M14HY, 5.0-751-2X-MPG-M14HY, 5.0-751-1X-MPG-M13HY. 6. TEMPERATURE QUALIFICATION: NORMAL OF 144°F FOR >40 YEARS FOLLOWED BY A DBE OF 170°F FOR 100 DAYS. 7. E51-N010 AND E41-N014 ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING A FLOODING CONDITION NOR ARE THEY REQUIRED TO MITIGATE FLOODING. ALL OTHER INSTRUMENTS IN THIS PACKAGE ARE ABOVE FLOOD LEVEL.

EQEL No: 25
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,LIT
MANUFACTURER: BARTON
MODEL NUMBER: 760

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
LITS-1N026A	B21-N026A	NBS	29-5/R1m,
LITS-1N026B	B21-N026B	NBS	29-5/R1m,
LITS-1N037A	B21-N037A	NBS	29-4/R1k,
LITS-1N026C	B21-N026C	NBS	27-5/R1m,
LITS-1N026D	B21-N026D	NBS	27-5/R1m,
LITS-1N037B	B21-N037B	NBS	25-4/R1k,
		UNIT 2	
LITS-2N026A	B21-N026A	NBS	33-5/R1m,
LITS-2N026B	B21-N026B	NBS	33-5/R1m,
LITS-2N037A	B21-N037A	NBS	34-4/R1k,
LITS-2N026C	B21-N026C	NBS	30-5/R1m,
LITS-2N026D	B21-N026D	NBS	30-5/R1m,
LITS-2N037B	B21-N037B	NBS	30-4/R1k,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 25
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO:	OPERATING TIME	24 HOURS	26.4 HOURS	REF. Y,Z	REF. P	ANALYSIS	NONE
COMPONENT: SWITCH, LIT	TEMPERATURE (°F)	NORM: 100 ACC: 104	212	REF. A	REF. N	SIMULT. TEST	NONE
MANUFACTURER: BARTON	PRESSURE (PSIA)	NORM: -.25" WG ACC. -.25" WG	7" WG	REF. A	REF. N	SIMULT TEST	NONE
MODEL NUMBER/PPD NUMBER: 760	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	100	REF. A	REF. N	SIMULT. TEST	NONE
PLC NO: FUNCTION/SERVICE:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
ACCURACY: SPEC: DEMO:	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 6.8E04 BETA ACC: 1.1E06	5.0E06 BETA 3.0E06 GAMMA	REF. L	REF. R, K,CC	SEQ. TEST ANALYSIS	NONE
LOCATION AREA: ELEV: ROOM:	AGING	40 YEARS	40 YEARS	REF. W	REF. P,R	SEQ. TEST ANALYSIS	NONE
FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6, REV. 29, MARCH 1982. K. RADIATION DOSE ON EXPOSED GASKET, DOC. NO. 2400:CAR:008, REV. B, C. A. ROUSE, GAC, APRIL 28, 1982. L. RADIATION DOSE INSIDE A NEMA IV CASE, DOC. 2400:CAR:045, C.A. ROUSE/GAC, APRIL 24, 1982.	1. THE PRESSURE INDICATIONS AND SWITCHING FUNCTIONS ARE QUALIFIED TO NUREG 0588, CAT. II, SUBJECT TO MAINTENANCE AND SURVEILLANCE.

5E-71

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
N. GE VALLEY FORGE DOCUMENT FILE DRF-A00-1084, DV 145C3008, OCTOBER 29, 1982. P. MATERIAL REVIEW, AGING ANALYSIS AND ACCIDENT OPERABILITY, DOC. NO. 2400:CJB-25C, C. J. BAROCZY/GAC, MAY 29, 1982. R. QUALIFICATION TEST REPORT R3-288A-1, ITT BARTON, OCT. 2, 1979. W. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979. Y. QUALIFICATION OF LITS B21-N026 A/B/C/D, M. GITTERMAN/GAC, MARCH 24, 1982. Z. QUALIFICATION OF LITS B21-N037 A/B, M. GITTERMAN/GAC, MARCH 26, 1982 CC. ANALYSIS FOR RADIATION OF ETHYLENE GYCOL, DOC. NO. 2400:CAR:063, C.A. ROUSE, GAC, SEPTEMBER 2, 1982.	

EQEL No: 68A
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH, LIMIT
MANUFACTURER: NAMCO
MODEL NUMBER: EA-700-50-100

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
ZS-14122A	B21-F022A	NBS	26-4/C2d,
ZS-14122B	B21-F022B	NBS	26-4/C2d,
ZS-14122C	B21-F022C	NBS	26-4/C2d,
ZS-14122D	B21-F022D	NBS	26-4/C2d,
ZS-14128A	B21-F028A	NBS	25-4/R3,
ZS-14128B	B21-F028B	NBS	25-4/R3,
ZS-14128C	B21-F028C	NBS	27-4/R3,
ZS-14128D	B21-F028D	NBS	27-4/R3,
		UNIT 2	
ZS-24122A	B21-F022A	NBS	31-4/C2d,
ZS-24122B	B21-F022B	NBS	31-4/C2d,
ZS-24122C	B21-F022C	NBS	31-4/C2d,
ZS-24122D	B21-F022D	NBS	31-4/C2d,
ZS-24128A	B21-F028A	NBS	30-4/R3,
ZS-24128B	B21-F028B	NBS	30-4/R3,
ZS-24128C	B21-F028C	NBS	32-4/R3,
ZS-24128D	B21-F028D	NBS	32-4/R3,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 68A
REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM:	OPERATING TIME	2 HRS	UNK	REF. M	UNK	NONE	NOTE 1,3
PLANT I.D. NO:	TEMPERATURE (°F)	NORM: 135 ACC: NOTE 4	UNK	REF. E	UNK	NONE	NOTE 1
COMPONENT: POSITION SWITCH	PRESSURE (PSIA)	NORM: 1.5 ACC: NOTE 4	UNK	REF. E	UNK	NONE	NOTE 1
MANUFACTURER: NAMCO	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	UNK	REF. E	UNK	NONE	NOTE 1
MODEL NUMBER/PPD NUMBER: EA-700-50-100	CHEMICAL SPRAY	DEMIN. H_2O	UNK	REF. G	UNK	NONE	NOTE 1
PURCHASE ORDER NO: NOTE 2	RADIATION (RAD)	(TID) NORM: Note 6 GAMMA ACC: Note 6 BETA ACC: Note 6	NOTE 6	REF. E,0	UNK	NONE	NOTE 1
FUNCTION/SERVICE: INDICATES POSITION OF MSIV VALVE	AGING	40 YEARS	UNK	REF. K	UNK	NONE	NOTE 1
ACCURACY: SPEC: DEMO:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A
LOCATION AREA: ELEV: ROOM:							
FLOOD LEVEL ELEV.							
ABOVE FLOOD LEVEL? YES: X NO:							

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. G. IEEE-323 1974, TABLE A2. K. FSAR SECTION 3.11.2A.2.1, REV. 5, FEB. 1979. M. FSAR TABLES 3.11-2 AND 3.11-3, REV. 5, FEB. 1979.	1. QUALIFICATION STATUS IS COMPLETE. EQUIPMENT IS NOT QUALIFIED. REPLACEMENT WITH NAMCO EA-740-50-100 SWITCHES WILL RESULT IN QUALIFICATION TO NUREG 0588, CAT. I, SUBJECT TO SUBCOMPONENT REPLACEMENT EVERY FIVE YEARS (SEE MAINTENANCE AND SURVEILLANCE, PACKAGE FILE SECTION 4.0).

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
O. "ANALYSIS FOR RADIATION SERVICE CONDITIONS MSIV LIMIT SWITCHES," DOC. NO. 2400:CAR:016, REV. B, C.A. ROUSE, GAC, 1/28/83.	2. TWO (2) SWITCHES PLANT I.D. NUMBER. 3. OPERATING TIME INCLUDES ONE HOUR MARGIN. 4. a) 0-45 SEC 44PSIG 340° 100% R.H. b) 45 Sec-3 Hrs 35 340 100 c) 3 Hrs-6 Hrs 35 320 100 d) 6 Hrs-24 Hrs 20 250 100 e) 24 Hrs-100 Days 10 200 100 5. Qualification Environment a) 0-3 Hrs 70 PSIG 340°F b) 3-5 Hrs Decrease to 0 PSIG 140°F c) 5-8 Hrs 70 PSIG 340°F d) 8-11 Hrs 40 PSIG 320°F e) 11 Hrs-4 Days 25 PSIG 250° f) 4 Days-30 Days 10 PSIG 200°F 6. ZS-14122 A-D RADIATION SPEC QUALIFICATION (TID) NORM: 1.1E07 UNK GAMMA ACC: 2.6E06 UNK BETA ACC: 1.4E08 UNK ZS-14128 A-D RADIATION SPEC QUALIFICATION (TID) NORM: 3.7E06 UNK GAMMA ACC: 1.9E06 UNK BETA ACC: 4.3E05 UNK

EQEL No: 68B
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH, LIMIT
MANUFACTURER: NAMCO
MODEL NUMBER: EA-740-50-100

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
ZS-14122A	B21-F022A	NBS	26-4/C2d,
ZS-14122B	B21-F022B	NBS	26-4/C2d,
ZS-14122C	B21-F022C	NBS	26-4/C2d,
ZS-14122D	B21-F022D	NBS	26-4/C2d,
ZS-14128A	B21-F028A	NBS	25-4/R3,
ZS-14128B	B21-F028B	NBS	25-4/R3,
ZS-14128C	B21-F028C	NBS	27-4/R3,
ZS-14128D	B21-F028D	NBS	27-4/R3,
		UNIT 2	
ZS-24122A	B21-F022A	NBS	31-4/C2d,
ZS-24122B	B21-F022B	NBS	31-4/C2d,
ZS-24122C	B21-F022C	NBS	31-4/C2d,
ZS-24122D	B21-F022D	NBS	31-4/C2d,
ZS-24128A	B21-F028A	NBS	30-4/R3,
ZS-24128B	B21-F028B	NBS	30-4/R3,
ZS-24128C	B21-F028C	NBS	32-4/R3,
ZS-24128D	B21-F028D	NBS	32-4/R3,

OWNER: PP & L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & UNIT 2

EQEL NO: 68B

REV: 6 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: POSITION SWITCH MANUFACTURER: NAMCO MODEL NUMBER/PPD NUMBER: EA-740-50-100 PURCHASE ORDER NO: NOTE 5 FUNCTION/SERVICE: PROVIDES TRIP SIGNAL TO RPS ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	2 HRS (NOTE 2)	>33 DAYS	REF. M	REF. L	SEQUENT. TEST	NONE
	TEMPERATURE (°F)	NORM: 135 ACC: NOTE 3	380	REF. E	REF. L	SEQUENT TEST	NONE
	PRESSURE (PSIA)	NORM: 1.5 ACC: NOTE 3	70 PSIG	REF. E	REF. L	SEQUENT	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	REF. E	REF. L	SEQUENT TEST	NONE
	CHEMICAL SPRAY	DEMIN. H_2O	DEMIN. H_2O	REF. G	REF. L	SEQUENT TEST	NONE
	RADIATION (RAD) (TID) GAMMA BETA	NOTE 4	NOTE 4	REF. E,0	REF. L	SEQUENT TEST	NONE
	AGING	40 YEARS	40 YEARS NOTE 1	REF. K	REF. L	SEQUENT TEST	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. G. IEEE-323 1974, TABLE A2. K. FSAR SECTION 3.11.2A.2.1, REV. 5, FEB. 1979. M. FSAR TABLES 3.11-2 AND 3.11-3, REV. 5, FEB. 1979.	1. THIS ITEM IS QUALIFIED TO NUREG-0588, CAT. I. QUALIFICATION IS SUBJECT TO PERIODIC SUBCOMPONENT REPLACEMENT (SEE MAINTENANCE AND SURVEILLANCE SHEETS, PACKAGE FILE SECTION 4.0). 2. OPERATING TIME INCLUDES ONE HOUR MARGIN.

SE-77

147-226-40-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
O. "ANALYSIS FOR RADIATION SERVICE CONDITIONS MSIV LIMIT SWITCHES," DOC. NO. 2400:CAR:016, REV. B, C.A. ROUSE, GAC, 1/28/83. L. NAMCO TEST REPORT QTR-111. "QUALIFICATION OF EA740 SERIES," OCT. 1, 1981, REV. 0, COPY #3489.	3. a) 0-45 SEC 44PSIG 340° F 100% R.H. b) 45 Sec-3 Hrs 35 340 100 c) 3 Hrs-6 Hrs 35 320 100 d) 6 Hrs-24 Hrs 20 250 100 e) 24 Hrs-100 Days 10 200 100 4. ZS-14122 A-D RADIATION SPEC QUALIFICATION (TID) NORM: 1.1E07 GAMMA ACC: 2.6E06 2.04E08 BETA ACC: 1.4E08 0.0 ZS-14128 A-D RADIATION SPEC QUALIFICATION (TID) NORM: 3.7E06 GAMMA ACC: 1.9E06 2.04E08 BETA ACC: 4.3E05 0.0 5. ONE (1) SWITCH PER PLANT ID NUMBER.

EQEL No: 10
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,PRESS.
MANUFACTURER: SOR
MODEL NUMBER: 5N-AA3, 6N-AA2, 6N-AA21

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PS-1N016A	E11-N016A	RHR	29-1/R1m,
PS-1N016B	E11-N016B	RHR	28-3/R1m,
PS-1N016C	E11-N016C	RHR	29-1/R1m,
PS-1N016D	E11-N016D	RHR	28-3/R1m,
PS-1N020A	E11-N020A	RHR	29-1/R1m,
PS-1N020B	E11-N020B	RHR	28-3/R1m,
PS-1N020C	E11-N020C	RHR	29-1/R1m,
PS-1N020D	E11-N020D	RHR	28-3/R1m,
PSH-1N012B	E41-N012B	HPCI	25-1/R1a,
PSH-1N012D	E41-N012D	HPCI	25-1/R1a,
PSL-1N019A	E51-N019A	RCIC	29-4/R1k,
PSL-1N019B	E51-N019B	RCIC	28-4/R1k,
PSL-1N019C	E51-N019C	RCIC	29-4/R1k,
PSL-1N019D	E51-N019D	RCIC	28-4/R1k,
PSL-1N010	E41-N010	HPCI	25-1/R1a,
PS-1N018B	B31-N018B	RR	28-3/R1m,
PSH-1N018	E11-N018	RHR	28-3/R1m,
PSH-1N017A	E41-N017A	HPCI	25-1/R1a,
PSH-1N017B	E41-N017B	HPCI	25-1/R1a,
PSH-1N012A	E41-N012A	HPCI	28-1/R1b,
PSH-1N012C	E41-N012C	HPCI	28-1/R1b,
PSL-1N006	E51-N006	RCIC	28-1/R1h,
		UNIT 2	
PS-2N016A	E11-N016A	RHR	34-1/R1m,
PS-2N016B	E11-N016B	RHR	33-3/R1m,
PS-2N016C	E11-N016C	RHR	34-1/R1m,
PS-2N016D	E11-N016D	RHR	33-3/R1m,
PS-2N020A	E11-N020A	RHR	34-1/R1m,
PS-2N020B	E11-N020B	RHR	33-3/R1m,
PS-2N020C	E11-N020C	RHR	34-1/R1m,
PS-2N020D	E11-N020D	RHR	33-3/R1m,
PSH-2N012B	E41-N012B	HPCI	30-1/R1a,
PSH-2N012D	E41-N012D	HPCI	30-1/R1a,
PSL-2N019A	E51-N019A	RCIC	34-4/R1k,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (cont'd)	
PSL-2N019B	E51-N019B	RCIC	33-4/R1k
PSL-2N019C	E51-N019C	RCIC	34-4/R1k,
PSL-2N019D	E51-N019D	RCIC	33-4/R1k,
PSL-2N010	E41-N010	HPCI	30-1/R1a,
PS-2N018B	E31-N018B	RR	33-3/R1m,
PSH-2N018	E11-N018	RHR	33-3/R1m,
PSH-2N017A	E41-N017A	HPCI	30-1/R1a,
PSH-2N017B	E41-N017B	HPCI	30-1/R1a,
PSH-2N012A	E41-N012A	HPCI	33-1/R1b,
PSH-2N012C	E41-N012C	HPCI	33-1/R1b,
PSL-2N006	E51-N006	RCIC	33-1/R1h,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 10
REV: 7
DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: PRESSURE SWITCH MANUFACTURER: STATIC-O-RING MODEL NUMBER/PPD NUMBER: 5N-AA3,6N-AA2,6N-AA21 PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO X	OPERATING TIME	100 DAYS	>100 DAYS	P,X,MM	EE	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: NOTE 2	212	P	N,Z	ANALYSIS & TEST	NONE
	PRESSURE (PSIA)	NORM: .375"WG NOTE 3	7" WG	P	N	ANALYSIS & TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	P	N	SIMULT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.9E06 BETA ACC: 1.1E06	2.1E06 GAMMA 2.0E06 BETA	P,W	CC,KK	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	R	EE	ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 4	Y	NOTE 4	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
P. FSAR TABLE 3.11-6, REV. 29, MARCH 1982. W. RADIATION SERVICE ENVIRONMENT C.A. ROUSE, 2400:CAR:009, REV. A, MARCH 9, 1982. R. FSAR SECTION 3.11.2a.2.1, REV. 5, FEBRUARY, 1979.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG-0588, CAT. II. 2. 300° IS REQUIRED FOR 60 SEC., THEN DROPS TO 130°F FOR 100 DAYS.

5E-81

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
N. VIKING TEST LABS REPORT 30203-2, (G.E. DRF #A00-1084, INDEX 38) NOV. 20, 1982. X. LETTER, E.B. POSER, BECHTEL TO T.M. CRIMMINS JR., PP&L BLP 17637, NOV. 11, 1981. Y. SUBMERGENCE TELECON, D.C. POUND, 1/6/83. Z. TEMPERATURE RISE OF SWITCH DURING DBE TRANSIENT, DOC. NO. CJB-10A, C.J. BAROCZY, MARCH 16, 1982. CC. ANALYSIS FOR MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, 2400:CAR:032, REV. A, ROUSE, MARCH 26, 1982. EE. ANALYSIS FOR PRESSURE SWITCH LIFE, 2400: ABS:002, REV. A, A.B. SMITH, MARCH 31, 1982. KK. EXPOSED ELASTOMERS, 2400:CAR:046, REV. A, C.A. ROUSE, 4/26/82. MM. VERDUGO (GA) LETTER, 627:248:MAV:83, MARCH 25, 1983.	3. 4.2 PSIG (116"w.g.) REQUIRED FOR 60 SEC., THEN DROPS TO -.009 PSIG (-.25"WG). 4. SOME OF THE INSTRUMENTS IN EQEL 10 ARE SUBJECT TO FLOODING DUE TO A A LINE BREAK IN THE ROOM IN WHICH IT IS LOCATED. THESE INSTRUMENTS ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND ARE NOT REQUIRED TO MITIGATE FLOODING IN THE ROOM. SEVERAL OF THE INSTRUMENTS ARE LOCATED IN VARIOUS WATERTIGHT ROOMS THAT ARE SUBJECT TO FLOODING, ONE ROOM AT A TIME, WITHOUT ANY CROSS FLOODING. THE INSTRUMENTS FOR SYSTEMS IN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT SYSTEMS (HPCI, RCIC, RHR, AND CS). IF AN INSTRUMENT (ROOM) BECOMES FLOODED, THE INSTRUMENT IN THE OTHER SAFETY DIVISION STILL IS CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON THE FAILURE OF THE RCIC SYSTEM THE HPCI SYSTEM IS USED, FOR THE CS SYSTEM THE RHR SYSTEM (LPCI MODE) IS USED, FOR THE RHR SYSTEM, THE CS SYSTEM IS USED, FOR THE HPCI SYSTEM THE ADS, RHR (LPCI MODE) AND CS SYSTEM ARE USED.

EQEL No: 11
DATE: 2/25/83
REV: 3

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,PRESS.
MANUFACTURER: SOR
MODEL NUMBER: 12N-AA4-X10TT

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PSH-1N002A	C72-N002A	RPS	28-6/R4,
PSH-1N002B	C72-N002B	RPS	28-6/R4,
PS-1N010A	E11-N010A	RHR	28-6/R4,
PS-1N010C	E11-N010C	RHR	28-6/R4,
PS-1N011A	E11-N011A	RHR	28-6/R4,
PS-1N011C	E11-N011C	RHR	28-6/R4,
PSH-1N002C	C72-N002C	RPS	27-6/R1f,
PSH-1N002D	C72-N002D	RPS	27-6/R1f,
PS-1N010B	E11-N010B	RHR	27-6/R1f,
PS-1N010D	E11-N010D	RHR	27-6/R1f,
PS-1N011B	E11-N011B	RHR	27-6/R1f,
PS-1N011D	E11-N011D	RHR	27-6/R1f,
		UNIT 2	
PSH-2N002A	C72-N002A	RPS	33-6/R4,
PSH-2N002B	C72-N002B	RPS	33-6/R4,
PS-2N010A	E11-N010A	RHR	33-6/R4,
PS-2N010C	E11-N010C	RHR	33-6/R4,
PS-2N011A	E11-N011A	RHR	33-6/R4,
PS-2N011C	E11-N011C	RHR	33-6/R4,
PSH-2N002C	C72-N002C	RPS	32-6/R1f,
PSH-2N002D	C72-N002D	RPS	32-6/R1f,
PS-2N010B	E11-N010B	RHR	32-6/R1f,
PS-2N010D	E11-N010D	RHR	32-6/R1f,
PS-2N011B	E11-N011B	RHR	32-6/R1f,
PS-2N011D	E11-N011D	RHR	32-6/R1f,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 11
REV: 7 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM:	OPERATING TIME	<1 HOURS	>5 HOURS	REF: D	REF. V	ANALYSIS	NONE
PLANT I.D. NO: COMPONENT:	TEMPERATURE (°F)	NORM: 104 ACC: 104	212	REF. A	REF. P	SIMULT. TEST	NONE
PRESSURE SWITCH MANUFACTURER:	PRESSURE (PSIA)	NORM:-.25" WG ACC:-.25" WG	7" WG	REF. A	REF. P	SIMULT TEST	NONE
STATIC-O-RING MODEL NUMBER/PPD NUMBER: 12N-AA4-X10TT	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 2	100	REF. A	REF. P	SIMULT. TEST	NONE
PURCHASE ORDER NO:	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
FUNCTION/SERVICE: PROVIDE HIGH DRYWELL PRESSURE SIGNAL	RADIATION (RAD)	(TID) NORM: 3.5E06 GAMMA ACC: 3.5E06 BETA ACC: 1.9E05	GAMMA 3.85E06 BETA 5.9E05	REF. A,X	REF. BB, KK	ANALYSIS	NONE
ACCURACY: SPEC: DEMO:	AGING	40 YEARS	40 YEARS	REF. O	REF. V	ANALYSIS	NONE
LOCATION AREA: ELEV: ROOM:	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE
FLOOD LEVEL ELEV.							
ABOVE FLOOD LEVEL? YES: X NO:							

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6, REV. 29, 1982. D. "PRESSURE SWITCHES - N002,010, 011 MININUM QUALIFICATION TIME, "WISE AND GITTERMAN MEMO TO G. GORSKI, APRIL 15, 1982. O. FSAR SECTION 3.11.2a.2.1,Rev. 5, FEB. 1979. P. VIKING TEST LABS REPORT 30203-2. 11-20-73.	1. THIS EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II WITH PERIODIC SUBCOMPONENT REPLACEMENT AT 15 YEAR INTERVALS (SEE MAINTENANCE AND SURVEILLANCE SCHEDULE, FILE SECTION 4.0). 2. RELATIVE HUMIDITY MAXIMUM: 100%, 1-12 HRS; 90% , 12 HRS TO 100 DAYS.

5E-84

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
V. "PRESSURE SWITCH LIFE CALCULATIONS," 2400:ABS:001, A. B. SMITH, MARCH 22, 1982. BB. "MATERIALS SUSCEPTIBLE TO RAD DAMAGE", 2400:CAR:033, C. A. ROUSE, REV. A, MARCH 27, 1982. KK. "EXPOSED ELASTOMERS," 2400:CAR:048, C. A. ROUSE,REV. A, APRIL 27, 1982. X. "RADIATION SERVICE ENVIRONMENT," 2400:CAR:010, C. A. ROUSE,REV. A, MARCH 9, 1982.	

5E-85

EQEL No: 26
DATE: 4/11/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,PRESS.
MANUFACTURER: BARTON
MODEL NUMBER: 289

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
FIS-1N006A	E21-N006A	CS	27-3/R1m,
FIS-1N006B	E21-N006B	CS	25-3/R1m,
PDSH-1N044A	G33-N044A	RWCU	29-4/R1k,
FS-1N021A	E11-N021A	RHR	27-3/R1m,
FS-1N021B	E11-N021B	RHR	28-3/R1m,
PDSH-1N044B	G33-N044B	RWCU	25-4/R1k,
FIS-1N006A	B21-N006A	NBS	29-4/R1k,
FIS-1N006B	B21-N006B	NBS	29-4/R1k,
FIS-1N006C	B21-N006C	NBS	25-4/R1k,
FIS-1N006D	B21-N006D	NBS	25-4/R1k,
FIS-1N007A	B21-N007A	NBS	29-4/R1k,
FIS-1N007B	B21-N007B	NBS	29-4/R1k,
FIS-1N007C	B21-N007C	NBS	25-4/R1k,
FIS-1N007D	B21-N007D	NBS	25-4/R1k,
FIS-1N008A	B21-N008A	NBS	29-4/R1k,
FIS-1N008B	B21-N008B	NBS	29-4/R1k,
FIS-1N008C	B21-N008C	NBS	25-4/R1k,
FIS-1N008D	B21-N008D	NBS	25-4/R1k,
FIS-1N009A	B21-N009A	NBS	27-4/R1k,
FIS-1N009B	B21-N009B	NBS	27-4/R1k,
FIS-1N009C	B21-N009C	NBS	25-4/R1k,
FIS-1N009D	B21-N009D	NBS	25-4/R1k,
PIS-1N021B	B21-N021B	NBS	27-5/R1m,
PIS-1N021D	B21-N021D	NBS	25-4/R1k,
LIS-1N042A	B21-N042A	NBS	29-5/R1m,
LIS-1N042B	B21-N042B	NBS	27-5/R1m,
LIS-1N024A	B21-N024A	NBS	29-5/R1m,
LIS-1N024B	B21-N024B	NBS	29-5/R1m,
LIS-1N024C	B21-N024C	NBS	27-5/R1m,
LIS-1N024D	B21-N024D	NBS	27-5/R1m,
LIS-1N031A	B21-N031A	NBS	29-5/R1m,
LIS-1N031B	B21-N031B	NBS	27-5/R1m,
LIS-1N031C	B21-N031C	NBS	29-5/R1m,
LIS-1N031D	B21-N031D	NBS	27-5/R1m,
PDIS-1N019A	E11-N019A	RHR	27-3/R1m,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1 (cont'd)	
PDIS-1N019B	E11-N019B	RHR	28-3/R1m,
PDIS-1N004A	E21-N004A	CS	25-4/R1k,
PDIS-1N004B	E21-N004B	CS	25-4/R1k,
PDIS-1N004	E41-N004	HPCI	28-3/R1m,
PDIS-1N005	E41-N005	HPCI	25-3/R1m,
PDIS-1N017	E51-N017	RCIC	29-4/R1k,
PDIS-1N018	E51-N018	RCIC	28-4/R1k,
PS-1N018A	B31-N018A	RR	27-3/R1m,
FSHL-1N002	E51-N002	RCIC	28-1/R1h,
FSHL-1N006	E41-N006	HPCI	25-1/R1a,
		UNIT 2	
FIS-2N006A	E21-N006A	CS	32-3/R1m,
FIS-2N006B	E21-N006B	CS	30-3/R1m,
PDSH-2N044A	G33-N044A	RWCU	34-4/R1k,
FS-2N021A	E11-N021A	RHR	34-3/R1m,
FS-2N021B	E11-N021B	RHR	33-3/R1m,
PDSH-2N044B	G33-N044B	RWCU	30-4/R1k,
FIS-2N006A	B21-N006A	NBS	34-4/R1k,
FIS-2N006B	B21-N006B	NBS	34-4/R1k,
FIS-2N006C	B21-N006C	NBS	30-4/R1k,
FIS-2N006D	B21-N006D	NBS	30-4/R1k,
FIS-2N007A	B21-N007A	NBS	34-4/R1k,
FIS-2N007B	B21-N007B	NBS	34-4/R1k,
FIS-2N007C	B21-N007C	NBS	30-4/R1k,
FIS-2N007D	B21-N007D	NBS	30-4/R1k,
FIS-2N008A	B21-N008A	NBS	34-4/R1k,
FIS-2N008B	B21-N008B	NBS	34-4/R1k,
FIS-2N008C	B21-N008C	NBS	30-4/R1k,
FIS-2N008D	B21-N008D	NBS	30-4/R1k,
FIS-2N009A	B21-N009A	NBS	32-4/R1k,
FIS-2N009B	B21-N009B	NBS	32-4/R1k,
FIS-2N009C	B21-N009C	NBS	30-4/R1k,
FIS-2N009D	B21-N009D	NBS	30-4/R1k,
PIS-2N021B	B21-N021B	NBS	30-5/R1m,
PIS-2N021D	B21-N021D	NBS	30-4/R1k,
LIS-2N042A	B21-N042A	NBS	33-5/R1m,
LIS-2N042B	B21-N042B	NBS	30-5/R1m,
LIS-2N024A	B21-N024A	NBS	33-5/R1m,
LIS-2N024B	B21-N024B	NBS	33-5/R1m,
LIS-2N024C	B21-N024C	NBS	30-5/R1m,
LIS-2N024D	B21-N024D	NBS	30-5/R1m,
LIS-2N031A	B21-N031A	NBS	33-5/R1m,
LIS-2N031B	B21-N031B	NBS	30-5/R1m,
LIS-2N031C	B21-N031C	NBS	33-5/R1m,
LIS-2N031D	B21-N031D	NBS	30-5/R1m,
PDIS-2N019A	E11-N019A	RHR	32-3/R1m,
PDIS-2N019B	E11-N019B	RHR	33-3/R1m,
PDIS-2N004A	E21-N004A	CS	30-4/R1k,
PDIS-2N004B	E21-N004B	CS	30-4/R1k,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2 (Cont'd)	
PDIS-2N004	E41-N004	HPCI	33-3/R1m,
PDIS-2N005	E41-N005	HPCI	30-3/R1m,
PDIS-2N017	E51-N017	RCIC	34-4/R1k,
PDIS-2N018	E51-N018	RCIC	33-4/R1k,
PS-2N018A	B31-N018A	RR	32-3/R1m,
FSHL-2N002	E51-N002	RCIC	33-1/R1h,
FSHL-2N006	E41-N006	HPCI	30-1/R1a,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 26
REV: 7 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: PRESSURE SWITCH MANUFACTURER: BARTON MODEL NUMBER/PPD NUMBER: 288,288A, 289,289A PURCHASE ORDER NO: 145C2000P001 FUNCTION/SERVICE: VALVE CONTROL ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO X	OPERATING TIME	100 DAYS	110 DAYS	D	P	ANALYSIS SIM. TEST	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: NOTE 3	212	A	H,P	ANALYSIS SIM. TEST	NONE
	PRESSURE (PSIA)	NORM: -.25"WG ACC: -.25"WG	7" WC	A	H	SIMULT TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	A	H	SIMULT TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.9E06 BETA ACC: 1.1E06	NOTE 2 BETA 3.0E06 GAMMA	Q	I,S	SEQUENT. TEST	NONE
	AGING	40 YEARS	40 YEARS	R	P	SEQ. TEST ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 4	V	NOTE 4	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6, REV. 29, MARCH, 1982. D. DIFFERENTIAL PRESSURE SWITCHES PER MEMO NO. SED:9:81, M. GITTERMAN, GAC, DEC. 2, 1981.	1. THIS ITEM MEETS THE REQUIREMENTS OF NUREG 0588, CAT. II, SUBJECT TO MAINTENANCE & SURVEILLANCE, FILE SECTION 4. 2. THERE ARE NO EXPOSED MATERIALS SUBJECT TO BETA RADIATION DAMAGE.

SE-89

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
H. GE VALLEY FORGE FILE DRF-A00-1084, DV 145C3008. I. QUALIFICATION TEST REPORT R3-288A-1, BARTON, OCTOBER 2, 1979. P. MATERIAL REVIEW, AGING ANALYSIS, AND ACCIDENT OPERABILITY, PER MEMO NO. 2400:CJB-26B, C.J. BAROCZY, GAC, MARCH 12, 1982. REVISED 5/4/82. Q. RADIATION SERVICE CONDITIONS, PER MEMO NO. 2400:CAR:003, C. A. ROUSE, GAC, MARCH 12, 1982. R. FSAR SEC. 3.11.2A.2.1, REV. 5, FEB. 1979. S. ANALYSIS FOR RADIATION RESISTANCE OF ETHYLENE GLYCOL, PER MEMO NO. 2400:CAR:063, C.A. ROUSE, GAC, SEPTEMBER 2, 1982. V. SUBMERGENCE - TELECON, D.C. POUND TO E.D. DUBOST, JAN. 6, 1983.	3. MAXIMUM LOCA ENVIRONMENT IS 240°F FOR 25 SECONDS FOLLOWED BY 130°F FOR THE BALANCE OF THE EVENT. ANALYSIS SHOWS THAT THE INSTRUMENT WILL NOT EXCEED THE 130°F LONG TERM TEMPERATURE (REF. P). 4. E41-N006 AND E51-N002 ARE SUBJECT TO FLOODING DUE TO A LINE BREAK IN THE ROOM IN WHICH THE INSTRUMENT IS LOCATED. THESE INSTRUMENTS ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND ARE NOT REQUIRED TO MITIGATE FLOODING IN THE ROOM. SEVERAL OF THE INSTRUMENTS ARE LOCATED IN VARIOUS WATERTIGHT ROOMS THAT ARE SUBJECT TO FLOODING, ONE ROOM AT A TIME, WITHOUT ANY CROSS FLOODING. THE INSTRUMENTS FOR SYSTEMS IN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT SYSTEMS (HPCI, RCIC, RHR, AND CS). IF AN INSTRUMENT (ROOM) BECOMES FLOODED, THE INSTRUMENT IN THE OTHER SAFETY DIVISION STILL IS CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON THE FAILURE OF THE RCIC SYSTEM THE HPCI SYSTEM IS USED, FOR THE HPCI SYSTEM THE ADS, RHR (LPCI MODE) AND CS SYSTEM ARE USED. ALL OTHER INSTRUMENTS IN THIS PACKAGE ARE ABOVE FLOOD LEVEL.

EQEL No: 31
DATE: 4/11/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH, PRESS
MANUFACTURER: BARKSDALE
MODEL NUMBER: P1H-M340SSV,P1H-M85SSV

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PS-1N008A	E21-N008A	CS	27-1/R1a,
PS-1N008B	E21-N008B	CS	25-1/R1a,
PS-1N009A	E21-N009A	CS	27-1/R1a,
PS-1N009B	E21-N009B	CS	25-1/R1a,
PS-1N027	E41-N0027	HPCI	25-1/R1a,
PSH-1N031	E41-N031	HPCI	25-1/R1a,
PSH-1N020	E51-N020	RCIC	28-1/R1h,
PSH-1N030	E51-N030	RCIC	28-1/R1h,
PSH-1N009A	E51-N009A	RCIC	28-1/R1h,
PSH-1N009B	E51-N009B	RCIC	28-1/R1h,
PSH-1N012A	E51-N012A	RCIC	28-1/R1h,
PSH-1N012C	E51-N012C	RCIC	28-1/R1h,
PSL-1N001A	E41-N001A	HPCI	28-3/R1m,
PSL-1N001B	E41-N001B	HPCI	25-3/R1m,
PSL-1N001C	E41-N001C	HPCI	28-3/R1m,
PSL-1N001D	E41-N001D	HPCI	25-3/R1m,
PSH-1N012B	E51-N012B	RCIC	28-2/R1m,
PSH-1N012D	E51-N012D	RCIC	28-2/R1m,
		UNIT 2	
PS-2N008A	E21-N008A	CS	32-1/R1a,
PS-2N008B	E21-N008B	CS	30-1/R1a,
PS-2N009A	E21-N009A	CS	32-1/R1a,
PS-2N009B	E21-N009B	CS	30-1/R1a,
PS-2N027	E41-N0027	HPCI	30-1/R1a,
PSH-2N031	E41-N031	HPCI	30-1/R1a,
PSH-2N020	E51-N020	RCIC	33-1/R1h,
PSH-2N030	E51-N030	RCIC	33-1/R1h,
PSH-2N009A	E51-N009A	RCIC	33-1/R1h,
PSH-2N009B	E51-N009B	RCIC	33-1/R1h,
PSH-2N012A	E51-N012A	RCIC	33-1/R1h,
PSH-2N012C	E51-N012C	RCIC	33-1/R1h,
PSL-2N001A	E41-N001A	HPCI	33-3/R1m,
PSL-2N001B	E41-N001B	HPCI	30-3/R1m,
PSL-2N001C	E41-N001C	HPCI	33-3/R1m,
PSL-2N001D	E41-N001D	HPCI	30-3/R1m,
PSH-2N012B	E51-N012B	RCIC	33-2/R1m,
PSH-2N012D	E51-N012D	RCIC	33-2/R1m,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 31
REV: 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: SWITCH, PRESS MANUFACTURER: BARKSDALE MODEL NUMBER/PPD NUMBER: P1H-M340SSV,P1H-M85SSV PURCHASE ORDER NO: 159G4606P002 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO: X	OPERATING TIME	12 HOURS	>12 HOURS	F	W/S #5 ATTACH C	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: NOTE 3	212	A	VV	TEST	NONE
	PRESSURE (PSIA)	NORM:-.375"WG ACC: NOTE 4	+7" WG +0.6 PSIG	A	VV,W/S #5 ATTACH D	TEST ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 2	100	A	VV	TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	TID NORM: 8.8E02 GAMMA ACC: 1.9E06 BETA ACC: 1.1E06	GAMMA: 2.0E06 BETA: 2.0E06	A	WW,W/S #5 ATTACH E	ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	L	W/S #5 ATTACH C	ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 5	ZZ	W/S #5, ATTACH B	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
A. FSAR 3.11-6, REV. 29, MARCH 1982. F. QUALIFICATION TIMES FOR BARKSDALE SWITCHES-MEMO, M. GITTERMAN, GAC, APRIL 29, 1982. L. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979.	1. THIS EQUIPMENT IS QUALIFIED TO THE REQUIREMENTS OF NUREG-0588, CAT. II, WITH SUBCOMPONENT REPLACEMENT (SEE MAINTENANCE AND SURVEILLANCE REQUIREMENTS). 2. RELATIVE HUMIDITY MAXIMUM: 100%, 1-12 HOURS, 90%, 12 HOURS TO 100 DAYS.

5E-92

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
VV. ENVIRONMENTAL QUALIFICATION SUMMARY NO. 3018, BY EDS NUCLEAR FOR LILCO, JOB NO. 0630-001-671, AUGUST 11, 1982. WW. MATERIALS OF BOURDON TYPE PRESSURE SWITCH, 2400:CAR:058, JULY 7, 1982. PREPARED FOR EQEL NO. 54, APPLICABLE TO EQEL NO. 31. ZZ. TELECON GA TECHNOLOGIES, - BECHTEL, JANUARY 6, 1983. W/S #5. SEE FILE SECTION 2.0: B. SUBMERGENCE, P. KRANE, 3/3/83. C. THERMAL AGING, P. KRANE, 3/3/83. D. TEMPERATURE AND PRESSURE TRANSIENTS, P. KRANE, 3/3/83. E. BETA DOSE TO EXPOSED COVER GASKET, P. KRANE, 3/3/83.	3. TEMPERATURE: 240°F FOR 25 SEC., 130°F FOR 100 DAYS. 4. PRESSURE: 0.6 PSIG FOR 25 SEC., -.25"WG FOR 100 DAYS. 5. THIS EQUIPMENT IS SUBJECT TO FLOODING DUE TO A LINE BREAK IN THE ROOM IN WHICH IT IS LOCATED. THIS INSTRUMENT IS NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND IS NOT REQUIRED TO MITIGATE FLOODING IN THE ROOM. SOME INSTRUMENTS ARE LOCATED IN WATERTIGHT ROOMS WHICH ARE SUBJECT TO FLOODING (ONE ROOM AT A TIME, WITHOUT CROSS FLOODING). INSTRUMENTS FOR SYSTEMS IN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT SYSTEMS (HPCI, RCIC, AND CS). IF AN INSTRUMENT (ROOM) BECOMES FLOODED, THE INSTRUMENT IN THE OTHER SAFETY DIVISION STILL IS CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON FAILURE OF THE RCIC SYSTEM THE HPCI SYSTEM IS USED; FOR THE CS SYSTEM THE RHR SYSTEM (LPCI MODE) IS USED; FOR THE HPCI SYSTEM THE ADS, RHR (LPCI MODE) AND CS SYSTEM IS USED.

EQEL No: 54
DATE: 2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: SWITCH,PRESS
MANUFACTURER: BARKSDALE
MODEL NUMBER: B1T-M12SS-GE AND B1T-C12SS-GE

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PS-1N020A	B21-N020A	NBS	29-5/R1m,
PS-1N020B	B21-N020B	NBS	29-5/R1m,
PS-1N020C	B21-N020C	NBS	27-5/R1m,
PS-1N020D	B21-N020D	NBS	27-5/R1m,
PS-1N021A	B21-N021A	NBS	29-5/R1m,
PS-1N021C	B21-N021C	NBS	29-4/R1m,
PS-1N021E	B21-N021E	NBS	29-5/R1m,
PS-1N021G	B21-N021G	NBS	29-4/R1m,
PS-1N022A	B21-N022A	NBS	29-5/R1m,
PS-1N022B	B21-N022B	NBS	29-5/R1m,
PS-1N022C	B21-N022C	NBS	29-5/R1m,
PS-1N022D	B21-N022D	NBS	29-5/R1m,
PS-1N022E	B21-N022E	NBS	29-5/R1m,
PS-1N022F	B21-N022F	NBS	29-5/R1m,
PS-1N022G	B21-N022G	NBS	29-5/R1m,
PS-1N022H	B21-N022H	NBS	29-5/R1m,
PS-1N022J	B21-N022J	NBS	29-5/R1m,
PS-1N022K	B21-N022K	NBS	29-5/R1m,
PS-1N022L	B21-N022L	NBS	29-5/R1m,
PS-1N022M	B21-N022M	NBS	29-5/R1m,
PS-1N022N	B21-N022N	NBS	29-5/R1m,
PS-1N022P	B21-N022P	NBS	29-5/R1m,
PS-1N022R	B21-N022R	NBS	29-5/R1m,
PS-1N022S	B21-N022S	NBS	29-5/R1m,
PS-1N023A	B21-N023A	NBS	29-5/R1m,
PS-1N023B	B21-N023B	NBS	29-5/R1m,
PS-1N023C	B21-N023C	NBS	27-5/R1m,
PS-1N023D	B21-N023D	NBS	27-5/R1m,
PS-1N045A	B21-N045A	NBS	29-5/R1m,
PS-1N045B	B21-N045B	NBS	29-5/R1m,
PS-1N045C	B21-N045C	NBS	27-5/R1m,
PS-1N045D	B21-N045D	NBS	27-5/R1m,
PSL-1N015A	B21-N015A	NBS	T-10-3/T3,
PSL-1N015B	B21-N015B	NBS	T-10-3/T3,
PSL-1N015C	B21-N015C	NBS	T-10-3/T3,
PSL-1N015D	B21-N015D	NBS	T-10-3/T3,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1 (cont'd)	
PSH-1N003A	C72-N003A	RPS	5-3/T2a,
PSH-1N003B	C72-N003B	RPS	1-3/T1a,
PSH-1N003C	C72-N003C	RPS	5-3/T2a,
PSH-1N003D	C72-N003D	RPS	1-3/T2a,
PSH-1N022A	E11-N022A	RHR	27-3/R1c,
PSH-1N022B	E11-N022B	RHR	28-3/R1c,
		UNIT 2	
PS-2N020A	B21-N020A	NBS	33-5/R1m,
PS-2N020B	B21-N020B	NBS	33-5/R1m,
PS-2N020C	B21-N020C	NBS	30-5/R1m,
PS-2N020D	B21-N020D	NBS	30-5/R1m,
PS-2N021A	B21-N021A	NBS	33-5/R1m,
PS-2N021C	B21-N021C	NBS	34-4/R1m,
PS-2N021E	B21-N021E	NBS	33-5/R1m,
PS-2N021G	B21-N021G	NBS	34-4/R1m,
PS-2N022A	B21-N022A	NBS	33-5/R1m,
PS-2N022B	B21-N022B	NBS	33-5/R1m,
PS-2N022C	B21-N022C	NBS	33-5/R1m,
PS-2N022D	B21-N022D	NBS	33-5/R1m,
PS-2N022E	B21-N022E	NBS	33-5/R1m,
PS-2N022F	B21-N022F	NBS	33-5/R1m,
PS-2N022G	B21-N022G	NBS	33-5/R1m,
PS-2N022H	B21-N022H	NBS	33-5/R1m,
PS-2N022J	B21-N022J	NBS	33-5/R1m,
PS-2N022K	B21-N022K	NBS	33-5/R1m,
PS-2N022L	B21-N022L	NBS	33-5/R1m,
PS-2N022M	B21-N022M	NBS	33-5/R1m,
PS-2N022N	B21-N022N	NBS	33-5/R1m,
PS-2N022P	B21-N022P	NBS	33-5/R1m,
PS-2N022R	B21-N022R	NBS	33-5/R1m,
PS-2N022S	B21-N022S	NBS	33-5/R1m,
PS-2N023A	B21-N023A	NBS	33-5/R1m,
PS-2N023B	B21-N023B	NBS	33-5/R1m,
PS-2N023C	B21-N023C	NBS	30-5/R1m,
PS-2N023D	B21-N023D	NBS	30-5/R1m,
PS-2N045A	B21-N045A	NBS	33-5/R1m,
PS-2N045B	B21-N045B	NBS	33-5/R1m,
PS-2N045C	B21-N045C	NBS	30-5/R1m,
PS-2N045D	B21-N045D	NBS	30-5/R1m,
PSL-2N015A	B21-N015A	NBS	T-23-3/T3,
PSL-2N015B	B21-N015B	NBS	T-23-3/T3,
PSL-2N015C	B21-N015C	NBS	T-23-3/T3,
PSL-2N015D	B21-N015D	NBS	T-23-3/T3,
PSH-2N003A	C72-N003A	RPS	20-3/T2a,
PSH-2N003B	C72-N003B	RPS	16-3/T1a,
PSH-2N003C	C72-N003C	RPS	20-3/T2a,
PSH-2N003D	C72-N003D	RPS	15-3/T2a,
PSH-2N022A	E11-N022A	RHR	32-3/R1c,
PSH-2N022B	E11-N022B	RHR	33-3/R1c,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 54
REV: 6 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: PRESSURE SWITCH MANUFACTURER: BARKSDALE MODEL NUMBER/PPD NUMBER: B1T-M12SS-GE & B1T-C12SS-GE PURCHASE ORDER NO: FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES X NO:	OPERATING TIME	100 DAYS	180 DAYS	REF. A	W/S #4	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 120 ACC: NOTE 2	NOTE 4	REF. A	W/S #4 REF. LL	ANALYSIS, SEQ.TEST	NONE
	PRESSURE (PSIA)	NORM: -.375"WG ACC: NOTE 3	4 PSIG -1" WG	REF. A	REF. LL & W/S #4	TEST & ANALYSIS	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 100	100	REF. A	REF. LL	SEQUENT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD)	TID NORM: 8.8E02 GAMMA ACC: 1.8E06 BETA ACC: 4.3E05	BETA + GAMMA 2.0E06	REF. A,NN	REF. MM	TEST & ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	REF. R	W/S #4	ANALYSIS	NOTE 1
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	N/A

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 3.11-6, REV. 31, 7/82. R. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979. LL. TEST REPORT SUMMARY, DRF A00-901-7, P. KRANE, GAC, JUNE 4, 1982. MM. MATERIALS OF BOURDON TUBE PRESSURE SWITCH, 2400:CAR:058, C.A. ROUSE, 7-7-82.	1. THIS EQUIPMENT IS QUALIFIED TO THE REQUIREMENTS OF NUREG-0588, CAT. II, WITH SUBCOMPONENT REPLACEMENT (SEE MAINTENANCE AND SURVEILLANCE REQUIREMENTS). 2. TEMPERATURE 300° FOR 60 SEC., 130° FOR 100 DAYS. THE SWITCH, BEING IN A NEMA-4 BOX, ONLY SEES 125°F FOR 60 SEC, 130°F THEREAFTER. 3. PRESSURE: 2.2 PSIG FOR 60 SEC., -.25" W.G. FOR 100 DAYS.

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
NN. ANALYSIS FOR REVISED RADIATION ENVIRONMENT DOC. 2400:CAR:61, C.A. ROUSE, 7/7/82. W/S #4. WORKSHEET #4 IN SECTION 2.0 OF EQEL NO. 54 BINDER.	4. THE SWITCH IS QUALIFIED FOR 120°F FOR 40 YEARS PLUS A DBE OF 130°F FOR 100 DAYS.

EQEL No: 48A
DATE: 4/11/83
REV: 7

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: TRANSMITTER,DP/P/FLOW
MANUFACTURER: ROSEMOUNT
MODEL NUMBER: 1151,1152

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PT-1N055A	B21-N055A	NBS	29-5/Rlm,
PT-1N055B	B21-N055B	NBS	27-5/Rlm,
FT-1N007A	E11-N007A	RHR	29-1/Rlm,
FT-1N007B	E11-N007B	RHR	28-3/Rlm,
FT-1N015A	E11-N015A	RHR	27-3/Rlm,
FT-1N015B	E11-N015B	RHR	28-3/Rlm,
FT-1N003A	E21-N003A	CS	27-3/Rlm,
FT-1N003B	E21-N003B	CS	25-3/Rlm,
PT-1N050	E32-N050	MSIV LC	27-5/Rlm,
PT-1N051B	E32-N051B	MSIV LC	27-4/Rlk,
PT-1N051F	E32-N051F	MSIV LC	27-4/Rlk,
PT-1N051K	E32-N051K	MSIV LC	27-4/Rlk,
PT-1N051P	E32-N051P	MSIV LC	27-4/Rlk,
PT-1N054	E32-N054	MSIV LC	27-4/Rlk,
PT-1N055	E32-N055	MSIV LC	25-4/Rlk,
PT-1N056	E32-N056	MSIV LC	25-4/Rlk,
PT-1N058	E32-N058	MSIV LC	29-5/Rlm,
PT-1N059	E32-N059	MSIV LC	25-4/Rlk,
PT-1N060	E32-N060	MSIV LC	27-5/Rlm,
PT-1N061B	E32-N061B	MSIV LC	27-4/Rlk,
PT-1N061F	E32-N061F	MSIV LC	27-4/Rlk,
PT-1N061K	E32-N061K	MSIV LC	27-4/Rlk,
PT-1N061P	E32-N061P	MSIV LC	27-4/Rlk,
FT-1N012	G33-N012	RWCU	28-5/Rlm,
FT-1N036	G33-N036	RWCU	28-5/Rlm,
FT-1N041	G33-N041	RWCU	28-5/Rlm,
FT-1N014A	B31-N014A	RRS	27-3/Rlm,
FT-1N014B	B31-N014B	RRS	27-3/Rlm,
FT-1N014C	B31-N014C	RRS	25-3/Rlm,
FT-1N014D	B31-N014D	RRS	25-3/Rlm,
FT-1N024A	B31-N024A	RRS	27-3/Rlm,
FT-1N024B	B31-N024B	RRS	27-3/Rlm,
FT-1N024C	B31-N024C	RRS	28-3/Rlm,
FT-1N024D	B31-N024D	RRS	28-3/Rlm,
PT-1N026A	E11-N026A	RHR	29-1/Rlm,
PT-1N026B	E11-N026B	RHR	28-3/Rlm,
PT-1N028	E11-N028	RHR	28-3/Rlm,
FT-1N013	E11-N013	RHR	27-3/Rlm,

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 2	
PT-2N055A	B21-N055A	NBS	33-5/R1m,
PT-2N055B	B21-N055B	NBS	30-5/R1m,
FT-2N007A	E11-N007A	RHR	34-1/R1m,
FT-2N007B	E11-N007B	RHR	33-3/R1m,
FT-2N015A	E11-N015A	RHR	34-3/R1m,
FT-2N015B	E11-N015B	RHR	33-3/R1m,
FT-2N003A	E21-N003A	CS	32-3/R1m,
FT-2N003B	E21-N003B	CS	30-3/R1m,
PT-2N050	E32-N050	MSIV LC	30-5/R1m,
PT-2N051B	E32-N051B	MSIV LC	32-4/R1k,
PT-2N051F	E32-N051F	MSIV LC	32-4/R1k,
PT-2N051K	E32-N051K	MSIV LC	32-4/R1k,
PT-2N051P	E32-N051P	MSIV LC	32-4/R1k,
PT-2N054	E32-N054	MSIV LC	32-4/R1k,
PT-2N055	E32-N055	MSIV LC	30-4/R1k,
PT-2N056	E32-N056	MSIV LC	30-4/R1k,
PT-2N058	E32-N058	MSIV LC	33-5/R1m,
PT-2N059	E32-N059	MSIV LC	30-4/R1k,
PT-2N060	E32-N060	MSIV LC	30-5/R1m,
PT-2N061B	E32-N061B	MSIV LC	32-4/R1k,
PT-2N061F	E32-N061F	MSIV LC	32-4/R1k,
PT-2N061K	E32-N061K	MSIV LC	32-4/R1k,
PT-2N061P	E32-N061P	MSIV LC	32-4/R1k,
FT-2N012	G33-N012	RWCU	34-5/R1m,
FT-2N036	G33-N036	RWCU	34-5/R1m,
FT-2N041	G33-N041	RWCU	34-5/R1m,
FT-2N014A	B31-N014A	RRS	32-3/R1m,
FT-2N014B	B31-N014B	RRS	32-3/R1m,
FT-2N014C	B31-N014C	RRS	30-3/R1m,
FT-2N014D	B31-N014D	RRS	30-3/R1m,
FT-2N024A	B31-N024A	RRS	34-3/R1m,
FT-2N024B	B31-N024B	RRS	34-3/R1m,
FT-2N024C	B31-N024C	RRS	33-3/R1m,
FT-2N024D	B31-N024D	RRS	33-3/R1m,
PT-2N026A	E11-N026A	RHR	34-1/R1m,
PT-2N026B	E11-N026B	RHR	33-3/R1m,
PT-2N028	E11-N028	RHR	33-3/R1m,
FT-2N013	E11-N013	RHR	32-3/R1m,

OWNER: PP & L

FACILITY: SUSQUEHANNA

DOCKET NO:

EQUIPMENT QUALIFICATION REPORT

UNIT 1 & UNIT 2

EQEL NO: 48A

REV: 7 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: TRANSMITTER,DP/P/FLOW MANUFACTURER: ROSEMOUNT MODEL NUMBER/PPD NUMBER: 1151,1152 PURCHASE ORDER NO: 163G1564P912203 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. 668' ABOVE FLOOD LEVEL? YES: NO: X NOTE 3	OPERATING TIME	100 DAYS	100 DAYS	E,AM	KK, VV, XX	SEQ.TEST ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	350	E	KK	SEQUENT. TEST	NONE
	PRESSURE (PSIA)	NORM: -.25"WG ACC: -.25"WG	70 PSIG	E	KK	SEQUENT. TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	100	E	KK	SEQUENT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.8E04 BETA ACC: 4.0E05	2.75E05 GAMMA NOTE 2 BETA	RR	FF,KK XX,ZZ	SEQ.TEST ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	PP	KK,YY VV	SEQ.TEST ANALYSIS	NOTE 1
	SUBMERGENCE	NOTE 3	NOTE 3	AL	NOTE 3	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. FF. NUCLEAR SERVICE QUALIFICATION TESTING INTERIM REPORT. MODEL 1151DP REPORT 127227, REV. B. ROSEMOUNT, INC., DEC. 27, 1972.	1. THE TRANSMITTER HARDWARE IS QUALIFIED TO NUREG 0588 CAT II AS INSTALLED, EXCEPT FOR THE SEALANT AT THE CABLE CONNECTORS. AN INTERIM JUSTIFICATION IS PROVIDED. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

5E-100

306-308-373-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
KK. QUAL. TEST REPORT 117415 FOR ROSEMOUNT PT 1152 SEPT. 24, 1975. PP. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979. RR. ANALYSIS FOR ADJUSTMENT OF RAD ENVIRONMENT, TECH. DOC. 2400:CAR:015, C.A. ROUSE, GAC, REV. C, APRIL 22, 1983. VV. MATERIAL AND RADIATION AGING, TECHNICAL DOCUMENT 2400:CJB:48C, C. BAROCZY, GAC, REV. C, MARCH 9, 1983. XX. MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, TECH. DOC. 2400:CAR:044, C. A. ROUSE, GAC, REV. C, FEB. 25, 1983. YY. DETERMINATION OF EQUIVALENT LIFE FOR SEAL AND INSULATION MATERIALS, TECH. DOC. 2400:PWF:48-2A, P.W. FLYNN, GAC, APRIL 23, 1982. ZZ. RADIATION EFFECTS ON THE VISCOSITY OF THE D.C. 200 FLUID USE IN ROSEMOUNT TRANSMITTERS, TECH. DOC. 2400:CAR:043, C. A. ROUSE, GAC, REV. B, FEB. 24, 1983. AM. BECHTEL LETTER-BLP 17637-TO PP&L, E.B. POSER, BECHTEL. AL. SUBMERGENCE TELECON, D.C. POUND TO E. DUBOST, JANUARY 6, 1983.	3. TWO TRANSMITTERS IN THIS SET, E11-(FT)-1N007A (LOOP A) RHR SERVICE WATER FLOW TRANSMITTER AND E11-(PT)-1N026A (LOOP A) RHR HEAT EXCHANGER PRESSURE TRANSMITTER ARE LOCATED IN THE RHR ROOM J29-1 AT ELEVATION 647'-0" WHICH IS SUBJECT TO FLOODING. THESE INSTRUMENTS ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND ARE NOT REQUIRED TO MITIGATE FLOODING WITHIN THE RHR ROOM, WHICH IS WATERTIGHT. THEREFORE, SURROUNDING AREAS ARE NOT SUBJECT TO COMMON FLOODING ACCIDENTS. RHR (LPCI MODE) LOOP B IS AVAILABLE IN ADDITION TO THE ADS AND CORE SPRAY SYSTEMS.

5E-101

EQEL No: 48B
DATE: 4/11/83
REV: 5

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: TRANSMITTER,DP/P/FLOW
MANUFACTURER: ROSEMOUNT
MODEL NUMBER: 1151

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
FT-1N003	E51-N003	RCIC	28-1/R1h,
FT-1N008	E41-N008	HPCI	25-1/R1a,
FT-1N009	E41-N009	HPCI	25-1/R1a,
PT-1N007	E51-N007	RCIC	28-1/R1h,
PT-1N005	E51-N005	RCIC	28-1/R1h,
PT-1N013	E41-N013	HPCI	28-1/R1a,
PT-1N016	E41-N016	HPCI	25-1/R1a,
PT-1N019	E41-N019	HPCI	28-1/R1a,
FT-1N004	E51-N004	RCIC	28-1/R1h,
PT-1N008	E51-N008	RCIC	28-1/R1h,
		UNIT 2	
FT-2N003	E51-N003	RCIC	33-1/R1h,
FT-2N008	E41-N008	HPCI	30-1/R1a,
FT-2N009	E41-N009	HPCI	30-1/R1a,
PT-2N007	E51-N007	RCIC	33-1/R1h,
PT-2N005	E51-N005	RCIC	33-1/R1h,
PT-2N013	E41-N013	HPCI	33-1/R1a,
PT-2N016	E41-N016	HPCI	30-1/R1a,
PT-2N019	E41-N019	HPCI	33-1/R1a,
FT-2N004	E51-N004	RCIC	33-1/R1h,
PT-2N008	E51-N008	RCIC	33-1/R1h,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 48B
REV: 5 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: TRANSMITTER,DP/P/FLOW MANUFACTURER: ROSEMOUNT MODEL NUMBER/PPD NUMBER: 1151 PURCHASE ORDER NO: 163C1564R912203 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO: X	OPERATING TIME	40 HOURS	40 HOURS	AH,AI	KK, VV,XX	SEQ.TEST ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: NOTE 4	350°F	E	KK	SEQUENT. TEST	NONE
	PRESSURE (PSIA)	NORM:-.375"WG ACC:0.6 PSIG	70	E	KK	SEQUENT. TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 5	100%	E	KK	SEQUENT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 2.5E05 BETA ACC: 5.6E04	2.75×10^5 GAMMA NOTE 2 BETA	RR	FF,KK XX,ZZ	SEQ.TEST ANALYSIS	NONE
	AGING	40 YEARS	40 YEARS	PP	KK, VV,YY	SEQ.TEST ANALYSIS	NOTE 1
	SUBMERGENCE	668'	NOTE 3	AL	NOTE 3	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. FF. NUCLEAR SERVICE QUALIFICATION TESTING INTERIM REPORT. MODEL 1151DP REPORT 127227, REV. B. ROSEMOUNT, INC., DEC. 27, 1972.	1. THE TRANSMITTER HARDWARE IS QUALIFIED TO NUREG 0588 CAT. II AS INSTALLED, EXCEPT FOR THE SEALANT AT THE CABLE CONNECTORS. AN INTERIM JUSTIFICATION IS PROVIDED. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE. 3. THE INSTRUMENTS ARE SUBJECT TO FLOODING DUE TO A LINE BREAK IN THE ROOM IN WHICH THE INSTRUMENT IS LOCATED. THESE INSTRUMENTS ARE

5E-103

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
KK. QUAL. TEST REPORT 117415 FOR ROSEMOUNT PT 1152 SEPT. 24, 1974. PP. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979. RR. ANALYSIS FOR ADJUSTMENT OF RAD ENVIRONMENT. TECH. DOC. 2400:CAR:015, C.A. ROUSE, GAC, REV. C, APRIL 22, 1983. VV. MATERIAL AND RADIATION AGING, TECHNICAL DOCUMENT 2400::CJB:048C, C BAROCZY, GAC REV. C, MARCH 9, 1983. XX. MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, TECH. DOC. 2400:CAR:044, C.A. ROUSE, GAC, REV. C, FEB. 25, 1983. YY. DETERMINATION OF EQUIVALENT LIFE FOR SEAL AND INSULATION MATERIALS, TECH. DOC. 2400:PWF:48-2A, P.W. FLYNN, GAC, APRIL 23, 1982. ZZ. RADIATION EFFECTS ON THE VISCOSITY OF THE D.C. 200 FLUID USE IN ROSEMOUNT TRANS-MITTERS, TECH. DOC. 2400:CAR:043, C. A. ROUSE, GAC, REV. B, FEB. 24, 1983. AL. SUBMERGENCE-TELECON, D.C. POUND TO E.D. DUBOST, JANUARY 6, 1983. AH. ROSEMOUNT TRANSMITTERS IN HPCI SYSTEM, M. GITTERMAN, GAC, DEC. 6, 1982. AI. ROSEMOUNT TRANSMITTERS IN RCIC SYSTEM, M. GITTERMAN, GAC, DEC. 7, 1982.	NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS AND ARE NOT REQUIRED TO MITIGATE FLOODING IN THE ROOM. SEVERAL OF THE INSTRUMENTS ARE LOCATED IN VARIOUS WATERTIGHT ROOMS THAT ARE SUBJECT TO FLOODING, ONE ROOM AT A TIME, WITHOUT ANY CROSS FLOODING. THE INSTRUMENTS FOR SYSTEMS IN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT SYSTEMS (HPCI, RCIC, RHR, AND CS). IF AN INSTRUMENT (ROOM) BECOMES FLOODED, THE INSTRUMENT IN THE OTHER SAFETY DIVISION STILL IS CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON THE FAILURE OF THE ALTERNATE FOR THE RCIC SYSTEM THE HPCI SYSTEM IS USED, FOR THE CS SYSTEM THE RHR SYSTEM (LPCI MODE) IS USED, FOR THE RHR SYSTEM, THE CS SYSTEM IS USED, FOR THE HPCI SYSTEM THE ADS, RHR (LPCI MODE) AND CORE SPRAY SYSTEM IS USED. 4. ACCIDENT TEMPERATURE: 240°F FOR 25 SEC., 130°F FOR REMAINDER OF TIME. 5. RELATIVE HUMIDITY: 100%, 1-2 HOURS THEN 90% 12 HOURS - REMAINDER OF TIME.

EQEL No: 48C
DATE: 4/11/83
REV: 1

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: TRANSMITTER,DP/P/FLOW
MANUFACTURER: ROSEMOUNT
MODEL NUMBER: 1151

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
PT-1N001A	E21-N001A	CS	27-1/R1a,
PT-1N001B	E21-N001B	CS	25-1/R1a,
		UNIT 2	
PT-2N001A	E21-N001A	CS	32-1/R1a,
PT-2N001B	E21-N001B	CS	30-1/R1a,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 48C
REV: 1 DATE: 4/11/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: TRANSMITTER,DP/P/FLOW MANUFACTURER: ROSEMOUNT MODEL NUMBER/PPD NUMBER: 1151 PURCHASE ORDER NO: 163C1564R912203 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: NO: X	OPERATING TIME	100 DAYS	UNK	E,AM,AE	UNK	UNK	NONE
	TEMPERATURE (°F)	NORM: 104 ACC: 130°F	350°F	E	KK	SEQUENT. TEST	NONE
	PRESSURE (PSIA)	NORM:-.375"WG ACC:-.25"WG	70 PSIG	E	KK	SEQUENT. TEST	NONE
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: NOTE 4	100%	E	KK	SEQUENT. TEST	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	N/A
	RADIATION (RAD)	(TID)NORM:8.8E02 GAMMA ACC:1.8E06 BETA ACC: 4.0E05	2.75E05 GAMMA NOTE 2 BETA	RR	FF,KK XX,ZZ	SEQ.TEST ANALYSIS	NOTE 1
	AGING	40 YEARS	UNK	PP	UNK	UNK	NOTE 1
	SUBMERGENCE	668'	NOTE 3	AL	NOTE 3	ANALYSIS	NONE

DOCUMENTATION REFERENCES	NOTES
E. FSAR TABLE 3.11-6, REV. 31, 7/82. FF. NUCLEAR SERVICE QUALIFICATION TESTING INTERIM REPORT. MODEL 1151DP REPORT 127227, REV. B. ROSEMOUNT, INC., DEC. 27, 1972.	1. QUALIFICATION STATUS IS COMPLETE. EQUIPMENT IS NOT QUALIFIED. REPLACEMENT OF MODEL 1151 TRANSMITTERS BY MODEL 1153 TRANSMITTERS WILL RESULT IN QUALIFICATION TO NUREG 0588, CAT. I. 2. THERE ARE NO EXPOSED MATERIALS THAT ARE SUBJECT TO BETA RADIATION DAMAGE.

5E-106

445-448-315-1

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
KK. QUAL. TEST REPORT 117415 FOR ROSEMOUNT PT 1152 SEPT. 24, 1975. PP. FSAR 3.11.2a.2.1 REV. 5, FEB. 1979. RR. ANALYSIS FOR ADJUSTMENT OF RAD ENVIRONMENT. TECH. DOC. 2400:CAR:015, C.A. ROUSE, GAC, REV. C, APRIL 22, 1983. XX. MATERIALS SUSCEPTIBLE TO RADIATION DAMAGE, TECH. DOC. 2400:CAR:044, C.A. ROUSE, GAC, REV. C, FEB. 25, 1983. YY. DETERMINATION OF EQUIVALENT LIFE FOR SEAL AND INSULATION MATERIALS, TECH. DOC. 2400:PWF:48-2A, P.W. FLYNN, GAC, APRIL 23, 1982. ZZ. RADIATION EFFECTS OF THE VISCOSITY OF THE D.C. 200 FLUID USE IN ROSEMOUNT TRANSMITTERS, TECH. DOC. 2400:CAR:043, C.A. ROUSE, GAC, REV. B, FEB. 24, 1983. AE. ROSEMOUNT TRANSMITTERS IN CS SYSTEM. M. GITTERMAN MEMO, GAC, DEC. 6, 1982. AL. SUBMERGENCE - TELECON, D.C. POUND TO E.D. DUBOST, JANUARY 6, 1983. AM. BECHTEL LETTER - BLP 17637 TO PP&L, E.B. POSER - BECHTEL.	3. THE INSTRUMENTS ARE SUBJECT TO FLOODING FROM A LINE BREAK. THE INSTRUMENTS ARE NOT REQUIRED TO PERFORM A SAFETY FUNCTION DURING FLOODING CONDITIONS NOR ARE THEY REQUIRED TO MITIGATE FLOODING WITHIN THE ROOM IN WHICH THEY ARE LOCATED. THE INSTRUMENTS ARE LOCATED IN VARIOUS WATERTIGHT ROOMS THAT ARE SUBJECT TO FLOODING, ONE ROOM AT A TIME, WITHOUT ANY CROSS-FLOODING. THE INSTRUMENTS FOR SYSTEMS WITHIN DIFFERENT SAFETY DIVISIONS ARE LOCATED IN DIFFERENT ROOMS AND ARE, THEREFORE, NOT SUBJECT TO SIMULTANEOUS FLOODING. THE SAME IS TRUE FOR THE DIFFERENT REACTOR SYSTEMS (HPCI, RCIC, RHR, AND CS). SHOULD AN INSTRUMENT (ROOM) BE FLOODED, THE INSTRUMENT IN THE OTHER SAFETY DIVISION IS STILL CAPABLE OF PERFORMING THE SAFETY FUNCTION. UPON FAILURE OF THE RCIC SYSTEM THE HPCI SYSTEM IS USED. FOR THE CS SYSTEM THE RHR SYSTEM (LPCI MODE) IS USED, FAILURE OF THE RHR SYSTEM, THE CS SYSTEM TAKES OVER AND UPON FAILURE OF THE HPCI SYSTEM, THE ADS RHR (LPCI MODE) AND CORE SPRAY SYSTEM IS USED. 4. RELATIVE HUMIDITY: 100%, 1-12 HOURS THEN 90% 12 HOURS - 100 DAYS.

EQEL No:38
DATE:2/25/83
REV: 4

COMPONENT TYPE
PLANT ID SUMMARY SHEET

COMPONENT: FLOW TRANSMITTER
MANUFACTURER: SCHUTTE AND KOERTING/AMETEK
MODEL NUMBER: 91X-16

PLANT ID	MPL NUMBER	SYSTEM	LOCATION
		UNIT 1	
FT-1N053B	E32-N053B	MSIV LC	27-4/R1k,
FT-1N053P	E32-N053P	MSIV LC	27-4/R1k,
FT-1N053F	E32-N053F	MSIV LC	27-4/R1k,
FT-1N053K	E32-N053K	MSIV LC	27-4/R1k,
		UNIT 2	
FT-2N053B	E32-N053B	MSIV LC	32-4/R1k,
FT-2N053P	E32-N053P	MSIV LC	32-4/R1k,
FT-2N053F	E32-N053F	MSIV LC	32-4/R1k,
FT-2N053K	E32-N053K	MSIV LC	32-4/R1K,

OWNER: PP & L
FACILITY: SUSQUEHANNA
DOCKET NO:

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 38
REV: 5 DATE: 2/25/83

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF		QUAL METHOD	OUT-STANDING ITEMS
	PARAMETER	SPEC	QUALIFICATION	SPEC	QUAL		
SYSTEM: PLANT I.D. NO: COMPONENT: FLOW TRANSMITTER MANUFACTURER: S&K/AMETEK MODEL NUMBER/PPD NUMBER: 91X-16 PURCHASE ORDER NO: 163C1158B002 FUNCTION/SERVICE: ACCURACY: SPEC: DEMO: LOCATION AREA: ELEV: ROOM: FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL? YES: X NO:	OPERATING TIME	100 DAYS	100 DAYS	REF. B,O	REF. Q	ANALYSIS	NONE
	TEMPERATURE (°F)	NORM: 100 ACC: 104	104	REF. B	WS #4	ANALYSIS	NOTE 2
	PRESSURE (PSIA)	NORM: -.25"WG ACC: -.25" WG	-.25" WG	REF. B	WS #3	ANALYSIS	NOTE 2
	RELATIVE HUMIDITY (%)	NORM: 90 ACC: 90	90	REF. B	WS #3	ANALYSIS	NOTE 2
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION (RAD)	(TID) NORM: 8.8E02 GAMMA ACC: 1.8E04 BETA ACC: 4.0E05	2.0E04 GAMMA 4.4E05 BETA	REF. M	REF. R,F	ANALYSIS TEST	NONE
	AGING	40 YEARS	11 YEARS	REF. J	REF. Q	ANALYSIS	NONE
	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

5E-109

DOCUMENTATION REFERENCES	NOTES
B. FSAR TABLE 3.11-6, REV. 31, 7/82. J. FSAR SECTION 3.11.2A.2.1, REV. 5, FEB. 1979. F. IRRADIATION TEST LEAK RATE FLOW METER, #58351, WYLE LABORATORIES, OCT. 27, 1978. M. ANALYSIS FOR RAD. SERVICE ENVIR., TECH. DOC. NO. 2400:CAR:012, C.A. ROUSE, G.A.C, 1/24/83.	1. EQUIPMENT IS QUALIFIED TO NUREG 0588, CAT. II. 2. THE ACCIDENT TEMPERATURE, PRESSURE, AND HUMIDITY ARE ESSENTIALLY UNCHANGED FROM THE CONDITIONS EXPERIENCED DURING NORMAL OPERATION.

OWNER: PP&L
FACILITY: SUSQUEHANNA
DOCKET NO: PLANT ID NO.

EQUIPMENT QUALIFICATION REPORT
UNIT 1 & UNIT 2

EQEL NO: 38
REV. 5 DATE 2/25/83

DOCUMENTATION REFERENCES (CONT.)	NOTES (CONT.)
O. BECHTEL LETTER TO PP&L, BLP 17637, E.B. POSER, NOV. 11, 1982. Q. THERMAL AGING, DOC. NO. 2400:CJB:38A, C. BAROCZY, GAC, FEB. 18, 1982. R. RADIATION DAMAGE TO TRANSISTORS, DOC. NO. 2400:CAR:067, C.A. ROUSE, JAN. 24, 1983. WS#3. WORKSHEET #3 IN SECTION 2.0 OF EQEL NO. 38 BINDER. WS#4. WORKSHEET #4 IN SECTION 2.0 OF EQEL NO. 38 BINDER.	

5E-110

BOP SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
1.	Accumulators, Containment Instrument Gas	Richmond Engineering Co.	-	M-156	Q	A/SA/FA	
2.	Actuator, Governor	Woodward Governor Co.	E.G. B10P	M-30 (CES14)	Q	T&A	
3.	Air Handling Units	Carrier	39EH10, 39ED26, 39ED75	M-309	Q	FE	
4.	Air Flow Monitoring Unit	Air Monitoring Corp.	-	M323C-1	Q	DA/FA	
5.	Air Compressor & Belt Guard	Kellog-American	-	M30 (CES28)	Q	SA	
6.	Air Receiver	Nuclear Power Products	2-07V-241-001	M30 (CES38)	Q	SA	
7.	Alarm Dual	Bailey Controls Co.	745Z10AAAN2	J03C-8	Q	BM	
8.	Alarm, Single	Bailey Controls Co.	745110AAAN2	J03C-7	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
9.	Analyzer, Containment Hydrogen and Oxygen	Comsip-Delphi	K-IV	J17-1	Q	RS/SA	
10.	Annubar, Flow Elements	Dietrich Standard Corp.	ANF 85	J31	Q	SA/Max G/D	
11.	Batteries, 24V, 125V & 250V	C&D Battery Div.	3DCU-7, KC-19, LC-25	E119BC	Q	MX/FA	
12.	Battery Chargers	Power Conversion Products	SD-24-25CE, 3DS-260-300CE, 3SD-130-100CE	E119A-1	Q	BM/FT	
13.	Battery Monitors	Power Conversion Products	2210-1000-1,2,3	E119A-2	Q	BM/FT	
14.	Battery Fuse Boxes	Power Conversion Products	24V-100A, 125V-100A, 250-2000A	E119A-3	Q	BM/FT	
15.	Bearing, Outboard for Diesel Generator	Dodge	693820-3	M30 (CES30)	Q	SA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
16.	Chillers, Centrifugal Water	Carrier	19FA	M310	Q	DA/SB	
17.	Control Centers, 250 VDC	General Electric	IC7700	E121-2	Q	BM/FT	
18.	Control Panels	Comsip Customline	-	J5A	Q	IS, Panel; BM/FT, Components	
19.	Control Panel, Remote Shutdown	Magnetics	-	J5B	Q	IS, Panel; BM/FT, Components	
20.	Control Panels, Standby Gas Treatment System Heater	CVI Corp.	-	M321	Q	BM/FT, Control Components; BM/SB, Fire Det. Unit	
21.	Control Panels	Comsip Customline Corp..	-	M334	Q	IS/A/TPC	
22.	Control Panels, HVAC	Comsip Customline Corp.	-	M334	Q	A/TPC	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
23.	Control Panels, High Voltage Cubicle & Generator	Craftsman Controls Co.	3-E12-03-E-2, 3-E12-03-C-2	M-30 (CES36)	Q	MX/MF	
24.	Control Panel, Engine	Cooper Energy Services	-	M-30 (CES42)	Q	MF/MX	
25.	Controller	Bailey Controls Co.	701002 AA A or B	J03C-1	Q	BM	
26.	Converters, RTD	Bailey Controls Co.	740311CAAN2, 740320CAAN2	J03C-5, 6A&B	Q	BM	
27.	Coolers, Unit	Buffalo Forge Co.	250 PC,120 PC 60 PC,75 PC	M315	Q	DA	
28.	Coolers, Drywell Unit	American Air Filter	-	M317	Q	DA	
29.	Crane, Reactor Bldg.	Harnischfeger P&H	-	M22	Q	A	
30.	Dampers, HVAC	American Warming & Ventilating Damper, ITT, ASCO, Johnson Controls & Bettis Actuators	7402,8700,2230	M336A	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
31.	Detector, Chlorine	Wallace & Tiernan	50-125D	M320	Q	BM/FT	
32.	Detectors, Resistance Temperature	Rosemount	88-13-25, 88-14-1, 88-14-13	J59-1 thru 10	Q	BM/FT	
33.	Detection Unit, Temperature	Alison Controls, Inc.	A971-1-1 SSS	M320	Q	BM/SB	
34.	Distribution Panels, 125 VDC	ITE-Gould	CDP-222	E120-1	Q	BM/FT	
35.	Distribution Panels, 24 VDC	ITE	FC-20	E120-2	Q	FA/BM	
36.	Extractors, Square Root	Bailey Controls Co.	7500100AAAN2	J03C-10	Q	BM	
37.	Fans, Centrifugal	Buffalo Forge Co.	-	M362	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
38.	Fans, Reactor Bldg. Recirculation	Buffalo Forge Co.	60D	M308	Q	DA	
39.	Fans, Vane Axial	Buffalo Forge Co.	66D5,29A-5, 33BF	M308	Q	A	
40.	Fans, Standby Gas Treatment	Buffalo Forge Co.	BL	M362	Q	BM	
41.	Filters, High Efficiency Ventilation	Farr Co./Earth-quake Eng.		M325	Q	FE, Filters; SF/SX (4)	
42.	Filters, Control Structure Emergency Outside Air, High Efficiency	Farr Co.		M325	Q	FE, Filters; SF/SX (4)	
43.	Filters, Lube Oil	Commercial	18333-S113-27-6F6K2	M30 CES9	Q	SA	
44.	Filters, Fuel Oil & Strainer	Carborundum	18429-BDX2-10-3,4SD2-06C-468-001-18430-BDX2-10-3,4D-2-06C-474-001	M30 CES11	Q	DA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
45.	Filters, Turbocharger Lube Oil	Carborundum	18431-BDX2-20-3,4SD-2-06C-474-002	M30 CES17	Q	DA	
46.	Filters, 50 Micron	Norgen	2-06C-136-101	M30 CES41	Q	BM	
47.	Filters, 10 Micron	Monnier Bros.	2-06C-161-103	M30 CES41	Q	BM	
48.	Gauge, Differential Pressure Switch	Barton		M30 CES41 Gr. 2 #8, 9,10	Q	BM	
49.	Gauge, Pressure	Dresser Ind.		M30 CES41 Gr. 3#s 25A,25B	Q	BM	
50.	Gauge, Level Gauge with Gauge Cock	Jerguson	16-R-20	M320-3	Q	BM/SB	
51.	Heat Exchanger, Lube Oil/ Jacket Water	American Standard	15108 CPK, 15114 CPK	M30 CES6 CES7	Q	SA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
52.	Heater, Lube Oil	Cooper Bessemer	NWHO-3901XX, NWH-3152XX	M30 CES13	Q	SA	
53.	Indicator with Cable	Bailey Controls Co.	775121ABBN2	J03C-3	Q	BM	
54.	Intercoolers, Diesel Generator	Perfex	SL-8416	M30 CES43	Q	SA	
55.	Isolator, Carrier Modulator	Validyne Eng.	CM249	J98	Q	SF/SX/FR	
56.	Isolator/Voltage Divider	Bailey Controls Co.	740111AAAN2, Iso; 6200K60G0700, V.D.	J03C-4A/B	Q	BM	
57.	Joints, Intake & Exhaust Expansion	Tube Turns	30"-U-F6V-L, 30"-U-F4V	M30 CES29	Q	SA	
58.	Joints, 3", 6", 8" Flex Joints	Tube Turns	3"-R-FSF, 6"-R-F4F, 8"-U-F4F	M30 CES34	Q	SA	
59.	Joints, 5" Expansion	Anaconda	2-05P-097-001	M30 CES46	Q	SA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
60.	Joints, 18" Manifold Expansion	American Boa, Inc.	2-05P-096-001	M30 CES49	Q	SA	
61.	Load Centers, 125 VDC 250 VDC	General Electric	AKD-5	E121-1	Q	FA/IS/ BM/FT	
62.	Load Center, Unit Substation	ITE Imperial	XFMR, VH-9; BRKR, K600S	E117	Q	IS/FE; BM, BRKR's & Meter Pnl.	
63.	Motors, ESW, RHR Pump	General Electric	5K6328XC-364A, 5K6337XC-158A	E112	Q	DA/D	
64.	Motor Control Center 480V & Distribution Panels 208/120V	Eaton Corp./ Cutler Hammer	Unitrol	E118	Q	M/FT	
65.	Motor Generator Set w/Control Cabinet	Engine Power Co.	Gen. 100-483361121; Mtr. 150-480364321	E151	Q	BM	
66.	Overspeed Control Cable, Diesel Generator	Controlex	2-05C-063-002	M30 CES44	Q	SA	
67.	Penetration Assy., Medium Voltage	Westinghouse	-	E135-1	Q	BM/FT	
68.	Penetration Assy., Low Voltage	Westinghouse	-	E135-2	Q	FE/IS/ BM/FT	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
69.	Piping, CRD/Support & Vent Valve Platform	Installation Service Co.	-	M164	Q	DA	
70.	Piping, Composite, Cooling Water, Fuel Oil & Lube Oil - Diesel	Cooper Energy Service	-	M30 CES16	Q	SA	
71.	Piping, Diesel Air Start System	Cooper Energy Service	-	M30 CES21	Q	DA	
72.	Power Supply	Bailey Controls Co.	8080B02P0008	J03C-12	Q	BM	
73.	Power Supply, Hydrogen Recombiner	Westinghouse	SP-4070-1	M87	Q	MX/MF, OBE; MX/SB, SSE	
74.	Pumps, Emergency Service Water	Byron Jackson	24 BXF 1-Stage VCT	M11	Q	SA/DA	
75.	Pumps, RHR Service Water	Byron Jackson	28 KXL 2-Stage VCT	M12	Q	SA/DA	
76.	Pumps, Diesel Oil Transfer	Chempump Div./ Crane Co.	GB-11-150	M58	Q	SA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
77.	Pumps, Chilled Water	Goulds, Pumps, Inc.	3196 MT 4x6x10	M327-1	Q	SA, Motor; DA, Pump	
78.	Pumps, Cooling Water	Goulds Pumps, Inc.	3196 MT 4x6x13	M327-2	Q	SA, Motor; DA, Pump	
79.	Pumps, Fuel Injection and Nozzle	Bendix Corp.	Pump 10-73422 56; Nozzle-10-328941-27	M30 CES1	Q	SA/S	
80.	Pumps, Engine Driven Water	Allis-Chalmers	6x5x11NR C16	M30 CES12	Q	SA/D	
81.	Pump, Engine Driven Fuel	Rojer Pump Co.	17AM-08	M30 CES18	Q	SA/S	
82.	Pumps, Circulating Water - Diesel	Crane Deming	42-21-407 09-999 Size 2M	M30 CES15	Q	SA/D	
83.	Pumps, Standby Jacket Water - Diesel	Crane Deming	4221-507-159-999	M30 CES19	Q	SA/DA/D	
84.	Pumps, Engine Driven Lube Oil - Diesel	Cooper Bessemer (Roper)	20040	M30 CES24	Q	SA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
85.	Pumps, Standby Lube Oil	Sier Bath		M30 CES25	Q	SA/D	
86.	Pumps, Motor Driven Fuel Oil	Viking	GG-195D	M30 CES35	Q	SA/D	
87.	Pumps, Prelube/Motor	Sier Bath Pump Div.	-	M30 CES33	Q	SA/DA/D	
88.	Racks, High Density Spent Fuel	PAR Systems Corp.	-	M192	Q	TH/D	
89.	Rack Unit	Bailey Controls Co.	761000AAAN1	J03C-13	Q	BM	
90.	Ratio Relay	Moore Products	2-04C-094-003	M30 CES41	Q	BM	
91.	Recombiner, Electric, Hydrogen	Westinghouse	A	M87-1	Q	BM	
92.**	Refrigeration Unit, Emerg. Swgr. Rm. Clg.	American Air Filter		M421	N	-	8-26-83

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
93.	Remote Panel, RCP Boundary Leak Det. Sys.	Nuclear Measurements Corp.	-	J27-1	Q	BM	
94.	Remote Panel, Containment Oxygen & Hydrogen Analyzer	Comsip-Delphi	K-IV	J17-2	Q	RS/SA	
95.	Resistor, Signal Unit	Bailey Controls Co.	766100BAAAN2, 76110BAAAN2	J03C	Q	BM	
96.	Seal, Lower Liner	Flexonics-Bartlett	520-287-0001	M30 CES2	Q	SA	
97.	Selector, Signal	Bailey Controls Co.	747010AAAN2	J03C-9	Q	BM	
98.	Shelves, 1 to 8 Units	Bailey Controls Co.	7620 (1 thru 8) OAAAWI	J03C-14	Q	BM	
99.	Separators, Air	Richmond Engineering Co., Inc.		M302	Q	SA	
100.	Separators, 3" Type T. Entrainment	Wright Austin Co.	7494-11	M30 CES37	Q	MX/SD	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
101.	Set Station	Bailey Controls Co.	714000AAAN1	J03C-2A/B	Q	BM	
102.	Silencer, Intake Filter & Exhaust	Riley Beard		M30 CES4 CES5	Q	SA	
103.	Silencer, Air Inlet	Riley Beard		M30 CES8	Q	SA/S	
104.	Skid, Starting Air Compressor & Piping	Kellog-American	KSV-48-9	M30 CES22	Q	DA/SA	
105.	Skid, Auxiliary Assembly	Cooper-Bessemer	KSV-58-3	M30 CES23	Q	DA/SA	
106.	Starter, D.C. Motor	ITE Imperial	2-03E-022-001	M30 CES47	Q	SB	
107.	Stator, Generator, Diesel	Electric Products	170	M30 CES39	Q	SA/D	
108.	Strainers, Lube Oil	Zurn Industries	-	M30 CES25	Q	SA/S	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
109.	Strainers, Suppression Pool Suction	Winston Manufacturing Corp.	50-P 51-P	M151	Q	SA	
110.	Structure, Engine, Diesel	Cooper Bessemer	KSV-167	M30 CES20	Q	DA/S/D	
111.	Substation, 480V Load Center	ITE-Imperial	-	E117	Q	FE/IS/ BM/FT	
112.	Summer	Bailey Controls Co.	752410AAAN2	J03C-11	Q	BM	
113.	Support Steel, Reactor Vessel Top Head	Transco, Inc.	-	M55	Q	SA	
114.	Switch, Automatic Transfer	Russ Electric	RMT 4004CEF	E152	Q	BM	
115.	Switch, Control	General Electric	SB-1	E155	Q	BM/FT	
116.	Switch, Differential Pressure	Automatic Switch Co.	SB 32 BKR/ TA31A16	M320-4	Q	BM/FT	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
117.	Switch, Differential Pressure	Barksdale		M30 CES41	Q	BM	
118.	Switch, Differential Temperature	United Electric		M30 CES41	Q	BM	
119.	Switch, Flow	Fluid Components, Inc.	12-64-4-D SR-875	M320-2-1A, 2A	Q	BM	
120.	Switch, Level	Magnetrol		M30 CES50	Q	BM	
121.	Switch, Level	Mercoid	230WT-AV7704	M320-10	Q	BM/FT	
122.	Switch, Micro	Honeywell		M30 CES41	Q	BM	
123.	Switch, Position	Namco	EA180,EA740	Various	Q	SF/SX/ FR	
124.	Switch, Pressure	Barksdale		M30 CES41	Q	BM	
125.	Switch, Pressure	Square D		M30 CES41	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
126	Switch, Shuttle	Wabco		M30 CES41	Q	BM	
127.	Switch, Temperature	Automatic Switch Co.	SB12BKR/ QF11A4, SB12BKR/ QF10A4, SB12BKR/ QD11A4, SC11AR/ QD10A4	M320-7	Q	BM/FT	
128.	Switchgear, 4.16 KV	Westinghouse	-	E-109	Q	IS/BM/ FT	
129.	Switch, Temperature	United Electric		M30 CES41	Q	BM	
130.	Systems, RCP Boundary Leak Detection	Nuclear Measurements Corp.	-	J27-1	Q	MF/MX	
131.	System, SGTS Exh. Vent Flow & Sampling Probe	Air Monitoring Corp.		M323C-1	Q	DA/D/FA	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
132.	Tanks, Fuel Oil Storage, Diesel	Buffalo Tank	-	M60	Q	SA	
133.	Tanks, Fuel Pool Skimmer Surge	Ametek	IT-208	M90	Q	DA/SA	
134.	Tanks, Expansion	Richmond Engineering Co., Inc.	NS-2250/10 20/30/40	M302	Q	SA	
135.	Transformer, Instrument	Federal Pacific Electric Co.	FH	E136	Q	BM/FT	
136.	Tanks, Fuel Oil, Diesel	Nuclear Power Products	2-07V-263-001	M30 CES3	Q	SA	
137.	Transmitters, Differential Pressure	Tavis	P-8C(S)	M320	Q	BM	
138.	Transmitter, Pressure	Rosemount	1151AP 1151GP 1151DP	J03A	Q	BM/FR	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
139.	Trip Unit, Overspeed, Diesel Generator	Woodward	UG-8	M30 CES45	Q	MIL-STD-167-1	
140.	Unit, SGTS-Housing	CVI Corp.		M321-1	Q	FE/D	
141.	Valves, Vacuum Relief	Anderson Greenwood Co.	24"-CVI-L	M149	Q	DA/D	
142.	Valves, Nuclear Safety & Relief	J. E. Longergan	LCT-11	M159-1	Q	SA/ Max G	
143.	Valves, Nuclear Safety & Relief	J. E. Longergan	D-20P	M159-21	Q	DA/ Max G	
144.	Valves, Safety Relief Valve, Vacuum Breakers	Crosby Valve & Gauge Co.	DS-C-62933	M160	Q	SA/SX/SD, 12 Mins.	
145.	Valves, RHR Vacuum (Relief) Breakers	Crosby Valve & Gauge Co.	DS-C-62934	M160	Q	SA/SX/SD, 12 Mins.	
146.	Valves, SGTS, Drain	CVI Corp.	Weco, Model 12 Valve; Weco, Model 333 Actuator; ASCO, 8345-B5-NEMA 1 Solenoid	M321-2	Q	FE/ Max G/ D	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
147.	Valves, Chilled Water Relief	J. E. Lonergan	LCT-20	M365	Q	SA/ Max G	
148.	Valves, Lube Oil & Jacket Water Thermo	Amot Controls Corp.	5BOD	M30 CES10	Q	SF/MX/ SA,VLU. Body	
149.	Valves, Starting Air Safety & Relief	J. E. Lonergan	LCT-11	M30 CES27	Q	SA	
150.	Valves, 3" & 6" Check	Anderson-Greenwood	3" x 6" CVIA	M30 CES31, CES32	Q	SA/D	
151.	Valves, 2", 3 & 6" Plug	Rockwell International		M30 CES40	Q	SA/D	
152.	Valves, Control	Cooper Energy Service		M30 CES41 Gr. 1, #1	Q	BM	
153.	Valves, Two Way	Fisher	2-01V-044-001	M30 CES41 Gr. 1, #2	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
154.	Valves, Excess Flow Check	Circle Seal	2-01V-412-001	M30 CES41 Gr. 1, #3	Q	BM	
155.	Valves, Choke Check	Crane	W60A-8 #1	M30 CES41 Gr. 1, #20	Q	BM	
156.	Valves, Three Way	Clippard	2-05V-380-001	M30 CES41 Gr. 2, #13	Q	BM	
157.	Valves, Two Way	Smot Controls	2-10C-016-001	M30 CES41 Gr. 2, #15	Q	BM	
158.	Valves, Diaphragm	Jordon Valve	2-01V-426-001	M30 CES41 Gr. 2, #19	Q	BM	
159.	Valves, Three Way	Versa Valves	2-05V-396-001	M30 CES41 Gr. 2, #28	Q	BM	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
160.	Valves, Solenoid	ASCO	2-05V-399-001, 2-05V-399-002	M30 CES41 Gr. 3, #21B	Q	BM	
161.	Valves, Shuttle & Switch	Wabco	GD9-4540-9, 2-01V-077-002	M30 CES41 Gr. 3 #21C, 22C	Q	BM	
162.	Valves, Ball	Whitey Co.	2-01V-411-004, 2-01V-411-010	M30 CES41 Gr. 3, #24A 24B	Q	BM	
163.	Valve, Lube Oil Relief	J. E. Lonergan	2-01V-407-002	M30 CES48 2-01V-407-002	Q	SA/D	
164.	Valves, Control (3", 4", & 6" Butterfly)	Masoneilan	20-37010	J65-7,8,9	Q	SA/Max G	
165.	Valves, Control (1", 2" & 3/4 Globe)	Masoneilan	38-20761	J65-1,2,4 J65B-1,2,3	Q	SA/Max G, Valve; FT/SB, Actuator	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
166.	Valves, COntrol (6" Globe)	Masoneilan	38-40411	J65-3	Q	SA/Max G Valve; FT/SB, Actuator	
167.	Valve, Control (3", 4", 6" 3-Way)	Masoneilan	90-80386	J65-5,6	Q	SA/Max G, Valve; FT/SB, Actuator	
168.	Valve, Control (3" x 8" Butterfly)	Masoneilan	33-37420	J65-10,11	Q	SA/Max G Valve; FT/SB, Actuator	
169.	Valve, Pilot Solenoid	Circle Seal	SV-31S	J69B	Q	MX/SB/FT	
170.	Valve, Pilot Solenoid	ASCO	NPKX8321 AIE	J69C	Q	SF/SX	
171.	Valves, Pressure Regulating	Target Rock	75KK-400 Series	J70-1	Q	FT/SB	
172.	Valves, Process Solenoid	Target Rock	75KK-200 Series	J70-1	Q	FT/SB	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
173.	Valves, Excess Flow Check	Marotta Scientific Controls, Inc.	FVL16FD	J92	Q	SD/SA	
174.	Valve, Motor Operated Gate, 600#	Anchor Darling/ Limitorque	Valve Type - 4" & 6" EBB-6T-MO 10" EBA-GT-MO; Operator, SMB-00 & SMB-1	P10A-1	Q	SA/Max G, IS/Max G, Valve; SX/SF/, SB/Max G, Operator	
175	Valve, Motor Operated Gate, 900#	Anchor Darling/ Limitorque	Valve Type - 3" & 4" DBA-GT-MO 6", 10", 12" & 14" DBB-GT-MO; Operator, SMB-00 SMB-000 -1, -2, -3	P10A-2	Q	SA/Max G, IS/Max G, Valve; SX/SF/, SB/Max G, Operator	
176.	Valve, Motor Operated Gate, #150#	Anchor Darling/ Limitorque	Valve Type 3",4",6",10",16", 20",24" HBB-GT-MO; Operator, SMB-0,-00, -000	P12A-1	Q	SA/Max G, IS/Max G, Valve; SX/SF/ SB/Max G, Operator	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
177.	Valve, Motor Operational Gate, 150#, 300#	Pacific Valves, Limitorque	Valve Type 6"-HBC-GT-MO, 6"-GBB-GT-MO, (2155-2EX for 150#) (2355G-2-WE-E-X for 300#); Operator SMB-000-5	P12B-1	Q	SA/Max G, IS/Max G, Valve SA/SF/ SB/Max G Operator	
178.	Valve, Motor Operated Gate, 300#	Anchor Darling, Limitorque	Valve Type 3",4",6",12"18", 20",24" GBB-GT-MO; Operator SMB-00,-000, -1,-2	PI2A-3	Q	SA/Max G, IS/Max G, Valve SA/SF/ SB/Max G, Operator	
179.	Valves, Motor Operated Gate, 1500#	Borg Warner, Limitorque	Valve Type 74660; Operator SMB-000-5	P14-B	Q	SA/Max G, IS/Max G, Valve; SB/Max G, Operator	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
180.	Valves, Motor Operated Gate, 900#	Anchor Darling, Limitorque	Valve Type 6", 12",20",24",DCA-GT-MO; Operator SMB-4,-3-2-0	P17A-1	Q	SA/Max G, IS/Max G, Valve; SA/SF/ SB/Max G, Operator	
181.	Valves, Motor Operated Globe, 600 & 900#	Anchor Darling, Limitorque	Valve Type 3",4",10" DBB-GB-MO, 5" EBA-GB-MO, 24" DBB-GBY-MO; Operator SMB-0,-00, -3,-5	P10A-3	Q	SA/Max G, IS/Max G, Valve; SA/SF/ SB/Max G, Operator	
182.	Valves, Motor Operated Globe, 300#	Anchor Darling, Limitorque	Valve Type, 4",6",10",12",18", GBB-GB-MO 24" GBB-GBY-MO Operator SMB-00,-000, -1,-2,-3,-4	P12A-2	Q	SA/Max G, IS/Max G, Valve; SX/SF/ SB/Max G, Operator	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
183.	Valves, Motor Operated Globe, 1500#	Yarway Welbond, Limitorque	Valve Type 1",2" 5515B-SA105M; Operator SMB-000	P15A	Q	Active Valves, SA/Max G, IS/Max G, Valve; SX/SF/SB Max G, Operator; Passive Valves, SA/Max G, Valve & Operator	
184.	Valves, Motor Operated Globe, 150#	Yarway Welbond, Limitorque	Valve Type 1½" 5551B-F316M; Operator SMB-000-5	P14A	Q	SA/Max G, IS/Max G, Valve; SX/SF/SB/ Max G, Operator	
185.	Valves, Motor Operated Globe, 1500#	Borg Warner/ Limitorque	Valve Type 74660; Operator, SMB-000-5	P14B	Q	SA/Max G, IS/Max G, Valve; SX/SF/SB/ Max G, Operator	
186.	Valve Motor Operated Globe 900#	Anchor Darling/ Limitorque	Valve 6" DCB-GB-MO; Operator, SMB-2-40	P17A-2	Q	SA/Max G, IS/Max G, Valve; SX/SF/SB/ Max G, Operator	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
187.	Valve, Motor Operated Stop Check, 900#	Atwood & Morrill, Limitorque	Valve 13203-01 (24-DBB-5CK-MO); Operator, SMB-0-10	P10B	Q	SA/Max G, IS/Max G, Valve; SX/SF/SB/ Max G, Operator	
188.	Valve, Motor Operated Butterfly, 150#	Jamesbury, Limitorque	Valve, 8226-PX, 8229-PX, 20",24",30",36"-HPC-BF-MO; Operator SMB-000-15, -25, SMB-000-2	P16A-1	Q	SA/Max G, IS/Max G, Valve; SX/SF/SB/ Max G, Operator	
189.	Valves, Air Operated Testable Check, 900#	Anchor Darling, Sheffer	Valve, 24-DLA-SLPACK-AO-4107A,B; Operator SAFX7CC4	P11A-2	Q	SA/Max G	
			Valve, 12" DCA-CK-AO; Operator 4ABX7CFY	P17A-3	Q	SA/Max G	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
190.	Valves, Air Operated Testable Check, 900#	Atwood & Morrill	V3204-01 24"-DCA-CK-AO	P17B	Q	SA/Max G	
191.	Valves, Air Operated Gate, 150#	Pacific Valves, Miller Fluid Power	Valve 3"-153G-2-WE40-CC-X, 6"-2155-7-CC-X, 8"-21557-WE40-CC-X Operator A53B 8x5, A53B 7x5, A-53-B 10x8, A53B 14x10	P12B-2	Q	3" and 8" Valve, SA/Max G, IS/Max G; Operator, SB/Max G; 6" Valve SA/Max G	
192.	Valve, Air Operated Gate, 1500#	Borg Warner	156EAAG 1½"-CBA-GT-AO-7813A,B	P15B-2	Q	SA/Max G	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
193.	Valve, Air Operated Butterfly, 150#	Jamesbury/ Matryx	Valve 8226-PX, 4", 10" HBC-WBF-AO; Operator, 642-SR60 & 853-SR60	P16A-2	Q	Valve & Operator, SA/Max G, Operator, 4" x 10" MX/SB, to 40 Hz 4" only, SX/SB 40 to 100 Hz	
194.	Valve, Air Operated Butterfly, 150#	Henry Pratt/ Bettis	6"-521C-SR60-M3, 18"-T312-SR3-M3, 24"-T416-SR3-M3	P31A	Q	Valve SA/Max G; Operator SF/SX/ SBMax G	
195.	Valve, Gear Operated Gate, 900#	Anchor Darling	Valve, 12", 24" DCA-GT-ZS, 20" DCA-GT	P17A-4	Q	SA, MAX G	
196.	Valve, Gear Operated Gate, 150#	Walworth/ Aloyco	16" N-9126-UGO SP	P18A	Q	SA/Max G	

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
197.	Valve, Gear Operated Gate & Globe, 300#	Anchor Darling	20" GBB-GT-D, 12" GBB-GT-D, 8" GBC-GB	P12A-4	Q	SA/Max G	
198.	Valve, Gear Operated Gate & Globe, 150#	Pacific Valves	3"-153G-2-WE-BG, 6" 2155G-7-WE-BG, 10" 1255G-7-WE-BG, 16" 2155G-7-WE-BG	P12B-3	Q	SA/Max G	
199.	Valve, Gear Operated Butterfly, 150#	Jamesbury	8226-PX, 8229-PX, 20"-HBB-BF, 14",18",20",36" HBC-BF	P16A-3	Q	SA/Max G	

jb/rpc165c:clf

NOTES:

(1) Q Qualified
N Not Qualified

(2) The following is a list of qualification methods. For more information see Equipment Qualification for Seismic and Hydrodynamic Loads, File 148-01, by P.O. Number:

A	Analysis
T&A	Test and Analysis
FT	Fatigue Test
FA	Fatigue Analysis
SA	Static Analysis, w/Hand Calc
DA	Dynamic Analysis, w/Hand Calcs
BM	Biaxial Multifrequency
SB	Sine Beat Test
SF	Single Frequency
IS	Insitu Test
TPC	Tested Panel Components Individually to Max G's
D	Deflection Analysis
MF	Multifrequency
SD	Sinusoidal Dwell
TH	Time History Analysis
FE	Finite Element Dynamic Analysis
MX	Multiaxis
RS	Resonance Search
FR	Fragility Test
Max G	Maximum Acceleration for Device @ Location on Panel or Process Line
SX	Single Axis

(3) Expected Completion Date.

(4) Electrical Components

(5) Most Items are identical for Units 1 & 2. Where there are differences, e.g., manufacturer, model number, etc., an asterisk appears beside the Unit 2 entry. Unit 2 unique items have a double asterisk beside the entry.

jb/rpc165c

6B NSSS SUMMARY

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
1.	Accumulator, SLC	Greer Hydraulics	A70555-200	M	Q	SA	
2.	Blower, MSIV LCS	General Electric	2CH6041-10	M	Q	FT	
3.	Container, Defective Fuel Storage	General Electric	117C 2072 G004	M	Q	A	
4.	Element, Mn. Steam Flow	General Electric	105D 5085	M	Q	A	
5.	Grapple, Control Rod	General Electric	767E593	M	Q	A, 5X Rated Load	
6.	Grapple, General Purpose	General Electric	767E555	M	Q	A, 5X Rated Load	
7.	Heater, MSIV LCS	General Electric	5A356W020	M	Q	FE, Piping & Support BM, Heater	
8.	Heat Exchanger, RHR	MLW Industries	63-259 Type CELE	M	Q	DA/SA	
9.	Hydraulic Control Unit, Skid Assembly	General Electric	Dwg. 761E500G4	M	Q	SX/MF (6)	
10.	Machine, Fuel Prep	General Electric	283X759G1 283X759G2	M	Q	DA	

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
11.	Motor/Pump, RHR	Motor, General Electric Pump, Ingersol Rand	Motor, 5K6356X C1DA Pump 34-APKD-4 Stage	M	Q	FE FT	
12.	Motor/Pump, Core Spray	Motor, General Electric Pump Ingersol Rand	Motor, SK6338XC76A Pump, 25APKD 6 Stage	M	Q	FE FT	
13.	Motor/Pump, Recirc.	Motor, General Electric Pump Byron Jackson	28x28x35	M	Q	SA, Pump & Motor	
14.	Orifice, Flow, HPCI	Daniel Industries, Inc.	14"-600# ANS RF-WN	M	Q	A, Process Loads > Dynamic Loads	
15.	Orifice, Flow, Core Spray	Daniel Industries, Inc.	14"-300# ANS RF WN	M	Q	A, Process Loads > Dynamic Loads	
16.	Orifice, Flow, RCIC	Daniel Industries, Inc.	6"-600# ANS RF-WN	M	Q	A, Process Loads > Dynamic Loads	
17.	Orifice, Flow, RHR	Daniel Industries, Inc.	6"-300# AWS RF-WN	M	Q	A, Process Loads > Dynamic Loads	

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
18.	Panels, Control Room & Relay Rooms	General Electric	P600,P700,P800 Series	C	Q	Panels by Similarity BM,K Devices, SF/SX,FR,K Max. G (6) Panel "G" Fields Establish Max G's for Location	
19.	Panel, PRM	General Electric	I.D. #H12-P608	C	N		12/83
20.	Panels, Local	General Electric	Panel Widths 24",30",48",60", 72",96",120", 144",216".	S	Q	Similarity, Panels BM, K Devices, SF/SX,FR,K Max G (6)	
21.	Parts, Shipping Group (102 Entries)	General Electric & Various Instrument Vendors	Various Instruments	S	Q	Max G, SF/SX (6) MF/MX	
	Switch, Level E41-N002/N003	Magnetrol	5.0.-7.5.1	S	N	Redesign or Substitue Another Device	10/83
	Switch Level, E41-N014	Magnetrol	5.0-7.5.1	S	N	Awaiting SQRT Form	6/83
	Switch Level, E41-N015	Magnetrol	3.5-7.5.1	S	N		
22.	Platform, Refueling	Programmed and Remote Systems Corp.	Dwg. 762E892	M	Q	FE.	

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
23.	Probe, Sample B21-D014	General Electric	-	-	Q	G.E. Proprietary	
24.	Pump, SLC	Union Pump Co.	2x3 TD-60	M	Q	Pump, SA Motor, SF/MX,SA	
25.	Pump, HPCI	Byron Jackson	71150783	M	Q	FE,D	
26.	Pump, RCIC	Bingham Willamette	6x6x10-1/2 CP	M	Q	FE,D	
27.	Rack, In Vessel	-	-	M	N		12/84
28.	Rack, New Fuel Storage	General Electric	Dwg. 762E426	M	Q	DA	
29.	Sling, Dryer & Separator	General Electric	Dwg. 767E438-P3	M	Q	A,5X Rated Load	
30.	Strongback, Vessel Head	General Electric	Dwg. 767E187	M	Q	A,5X Rated Load	
31.	Tank - SLC Storage	Alpha Tank & Metals	3243-26-1	M	Q	SA	
32.	Turbine, HPCI	Terry Turbine		M	N		6/83

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
33.	Turbine, RCIC	Terry Turbine	GS-2N	M	Q	SA,BM	
34.	Valve, CRD Vent & Drain Pilot Solenoid	ASCO	8323 A-22	M	N		6/83
35.	Valve, CRD Vent & Drain	Hammel Dahl	Vent, Old Model 502FFC62CAZ9 Drain, Old Model 502JFC62EAZ9 *Vent, New Model 522FRR62HAZ9 *Drain, New Model 522JRR62HAZ9	M	N		10/83
36.	Valve, Main Steam Isolation	Atwood & Morrill	A&M Dwg. 21283-H	M	Q	Valve, DA,FE Actuator, BM Both, IS	
37.	Valve, Main Steam Safety Relief	Crosby Valve & Gage Co.	6-R-10 HB-65-BP Modified to 8-R-10 Style HB-65-DF	M	Q	BM	
38.	Valve, Recirc. Discharge, Gate	Lunkenheimer, Limitorque	Valve, S/N 71-49497 71-49498 Actuator, SB-3-100	M	Q	FE, Valve SB/SF/SX, Max. G Operator	

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

ITEM NO.	GENERIC NAME/ COMPONENT TYPE	MANUFACTURER	MODEL NO.	P.O. NO.(7)	STATUS (1)	HOW QUALIFIED (2)	QUAL. (3) COMPLETION
39.	Valve, Recirc. Discharge Bypass	Copes Vulcan, Limitorque	Valve, Dwg. 313-90-3 Operator, SMB-00-25	M	Q	A, Valve SX/SF Operator	
40.	Valve, Recirc. Suction	Lunkenheimer	Dwg. D-13017	M	Q	SA, FE, Valve & Actuator, Actuator is passive.	
41.	Valve, SLC Explosive	Conax	1832-162-01	M	Q	MX/SF	
42.	Vault, Fuel Storage	General Electric	Dwg. 762E426	M	Q	FE	

jb/rpc214c:clf

NSSS SEISMIC CATEGORY I EQUIPMENT
SUMMARY BY COMPONENT TYPE

CONTINUING STATUS
APRIL 7, 1983

NOTES:

(1) Q Qualified
N Not Qualified

(2) The following is a list of qualification methods. For more information see Note 7:

A	Analysis	SD	Sinusoidal Dwell
T&A	Test and Analysis	TH	Time History Analysis
FT	Fatigue Test	FE	Finite Element Dynamic Analysis
FA	Fatigue Analysis	MX	Multiaxis
SA	Static Analysis, w/Hand Calcs	RS	Resonance Search
DA	Dynamic Analysis, w/Hand Calcs	FR	Fragility Test
BM	Biaxial Multifrequency	K	Kennedy High Frequency Cut-Off Analysis
SB	Sine Beat Test	Max G	Maximum Acceleration for Device @ Location on Panel or Process Line
SF	Single Frequency	SX	Single Axis
IS	Insitu Test		
TPC	Tested Panel Components Individually to Max Gs		
D	Deflection Analysis		
MF	Multifrequency		

(3) Expected Completion Date.

(4) Electrical Components.

(5) Most items are identical for Units 1 & 2. Where there are differences, e.g., manufacturer, model number, etc., an asterisk appears beside the Unit 2 entry. Unit 2 unique items have a double asterisk beside the entry.

(6) A device is qualified to IEEE 344-1975 if its seismic acceleration capability obtained from testing done according to IEEE 344-1971 is greater than 1.5 times the required acceleration. The 1.5 factor accounts for cross-coupling and multi-model response and is not required if there is no cross-coupling and there are no reasonant frequencies.

(7) NSSS Seismic Category I equipment dynamic qualification information is contained in Control Room Panels, "C", I&C and Shipping Group Parts, "S" and Mechanical Equipment, "M", SQRT Binders.