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ENGINEERING REPORT

WNP-2 NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

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1.0 INTRODUCTION

The original equipment qualification requirements for Washington Public Power Supply System (Supply System) Nuclear Project Number 2 (WNP-2) were described in the PSAR. These requirements specified that NSSS equipment be designed to good nuclear industry practices and Balance of Plant equipment be qualified to IEEE 323-71. Initial equipment purchases were made to these requirements.

In November 1974, Regulatory Guide 1.89 was issued identifying IEEE 323-74 as the generally acceptable level for qualification of Class 1E equipment. Based on construction permit requirements, the Supply System was not required to upgrade the qualification status of the equipment. A review was made to determine the impact of the revised requirements. Based on this review, it was determined that there was not a need for general upgrade of equipment.

NUREG-0588 (Reference 1) was issued for comment in December 1979, to promote a more orderly and systematic implementation of equipment qualification programs by the industry. It also provided guidance to the NRC staff for its use in ongoing licensing review for new as well as for the near-term operating license plants. The WNP-2 Construction Permit SER was issued prior to July 1, 1974; therefore, the basis for the WNP-2 review was the Category II requirements.

In February 1980, the NRC requested (Reference 2) that the Supply System perform a review of the existing environmental qualification program to identify the degree to which the program complied with the criteria and positions in NUREG 0588. Deviations from the NUREG were to be justified. The Supply System provided comments to the NUREG in April 1980, taking exception to certain criteria and positions. Revision 1 of the NUREG was issued with answers and clarifications to the Supply System's concerns as

well as other concerns raised by the industry. Resolution of these concerns are still underway with a conclusion to be achieved as part of a planned rule making on this issue.

The Supply System has undertaken an aggressive equipment qualification program to assure all Class 1E equipment is qualified to NUREG 0588, Category II. All Class 1E equipment at WNP-2 has been identified. Normal, abnormal and accident service conditions have been defined for plant areas that could be exposed to a harsh environment. A detailed review of the available qualification data has been made for the equipment in harsh environments. Actions have been initiated to upgrade the qualification documentation where deficient and to requalify components, when necessary. This report describes the methodology and summarizes the current status of the equipment qualification activities.

Additional environmental qualification submittals will be made as qualification activities are completed. These submittals will document the actions that are being taken to resolve all qualification deficiencies and provide a justification for interim operation for equipment with deficient qualification documentation.

2.0 CLASS 1E EQUIPMENT LIST

A list of all Engineered Safety Feature Systems and associated Class 1E equipment was prepared. All parameters required to perform the qualification evaluations have been determined, including normal and accident operational requirements, operating time and manufacturer's data. The equipments locations have been verified to fully define the service conditions.

Class 1E was defined according to IEEE 323-74 (Reference 3). The following definition was used:

The safety classification of the electric equipment and systems that are essential to emergency reactor shutdown, containment isolation, reactor core cooling, and containment and reactor heat removal, or otherwise are essential in preventing significant release of radioactive material to the environment.

Instrumentation for the operator to follow the course of an accident was also defined as Class 1E. This includes instrumentation identified as a result of TMI-2 Lessons Learned and Regulatory Guide 1.97.

Based on this definition, specific criteria were developed to determine the equipment that is Class 1E. The criteria and instructions for application of the criteria are contained in Reference 4. All plant systems were reviewed in accordance with these criteria. The sources of information for the review were the FSAR, Technical Specifications, System Flow Diagrams, Electrical Diagrams and Technical Manuals. The review identified the Class 1E equipment in each system by equipment number.

Additional operational data were determined during the documentation review. The following information was determined for each Class 1E component:

- Use. The equipment use during accident and/or normal plant shutdown conditions. This field is based on the categorization of equipment suggested in Item 2, Appendix E of NUREG 0588.

- Safety Function. The Class 1E function or functions a piece of equipment or system is required to perform or monitor. Safety functions include emergency reactor shutdown, containment isolation, reactor core cooling, containment heat removal, reactor heat removal and prevention of release of radioactive material to the environment.
- Required Operating Time. The time a component is required to be functional or retain its pressure integrity following a Design Basis Accident.

The application of these definitions and the codes used are fully described in Appendix A.

A plant walkdown was performed to determine the manufacturer's data for each Class 1E component. The walkdown included verifying manufacturer, model, serial number and location. These data were obtained directly from the nameplate for installed equipment. Equipment in the warehouse or on order was identified through applicable purchase and receiving documents.

During the walkdown, the location of the equipment in the plant was documented to assist with the definition of the required service conditions and the calculation of the integrated radiation exposure.

The operational, manufacturer's and location data for all Class 1E equipment were tabulated and computerized. For the purposes of this submittal, the Class 1E equipment in primary containment and the reactor building are provided. This list is included in Appendix A.

3.0 ENVIRONMENTAL SERVICE CONDITIONS

The normal, abnormal and accident service conditions were defined for all areas of primary containment and the reactor building containing Class 1E equipment. The service conditions were defined as described below.

3.1 NORMAL AND ABNORMAL CONDITIONS

The temperature, pressure and humidity ranges expected during normal operation were defined based on Reference 5 and 6. Abnormal conditions due to temporary HVAC failure are also defined in Reference 5 and 6. Appendix B presents the normal and abnormal conditions for primary containment and the reactor building.

The 40-year normal radiation dose is included in the radiation doses discussed in Section 3.2.3 of this report.

3.2 ACCIDENT CONDITIONS - HARSH ENVIRONMENTS

The primary containment and most areas of the reactor building will be exposed to a harsh environment following a postulated LOCA/HELB. A harsh environment is defined as:

An area that would be exposed to a significant increase in the maximum temperature, pressure and humidity during design basis events AND/OR the total radiation dose (normal + accident) is above 10^4 rad.

3.2.1 Temperature/Pressure Inside Containment

The accident environments inside primary containment were defined according to Reference 5 and the WNP-2 FSAR (Reference 6). The accident profile, presented in Appendix B, was determined from a General Electric analysis of the response of a BWR Mark II containment to a full spectrum of possible

LOCA/HELB. The accident conditions due to a main steam line break are enveloped by the specified profile. The margin of $T_{\text{sat}} + 20^{\circ}\text{F}$ has been included in the accident profile.

A plant specific analysis is being performed to assure that this profile is a conservative representation of the response of the WNP-2 containment.

3.2.2 Spray

A demineralized water spray could be used in primary containment at WNP-2. Spray impingement on Class 1E equipment in the vicinity of the spray header has been evaluated.

3.2.3 Radiation Inside and Outside Containment

The accident radiation environments in the primary containment are being defined according to Section II.B.2 of NUREG 0737 (Reference 7) and NUREG 0588, Rev. 1. The calculated accident environment is based on the most severe nonmechanistic design basis accident during or following which equipment must function. This includes consideration of the entire spectrum of FSAR Chapter 15 accidents which can lead to a degraded core condition. The source term assumptions for postulated accidents are consistent with those defined in NUREG 0588 and Regulatory Guides 1.3 and 1.7. The source terms are calculated using the ORIGEN code (Reference 8).

For the review performed in this report the radiation environment in the primary containment was defined per Reference 5. A plant specific evaluation is being performed to verify the adequacy of the GE equipment environment interface data. Reference 19 contains the methodology being used to perform this evaluation.

The radiation environment in the reactor building is defined according to Section II.B.2 of NUREG 0737 (Reference 7) and NUREG 0588, Rev. 1 and

includes the sum of direct accident gamma dose, airborne gamma dose and 40-year normal gamma dose. The airborne dose is conservatively based on the maximum primary containment to reactor building leakage rate.

Airborne activity in both the containment and reactor building was calculated using the plateout assumptions of NUREG CR-0009 (Reference 9).

The reactor building was divided into zones to define the equipment doses. The worst target (Class 1 component with the highest dose) in each zone was then chosen. The total integrated dose (TID) to this component was calculated using the QAD-P5A computer code (Reference 10). This TID was used as the required qualification level for most equipment in the zone. In cases where a component was not qualified to the worst zone dose, component specific TID's were calculated.

The methodology and results of the radiation evaluations are documented in Reference 11. Appendix B of this report contains a table of the radiation doses inside primary containment and the radiation zone maps for the reactor building. It should be noted that the reactor building radiation levels are six month integrated doses. Doses for equipment with shorter operating times were determined from the calculated packages in Reference 11.

The radiation levels in the Standby Gas Treatment (SGT) and Containment Atmosphere Control (CAC) areas are being redefined. More realistic primary containment leak rate and airborne activity assumptions are being used. Preliminary results indicate substantially reduced accident doses in these areas. Final determination of the qualification status of equipment in these areas is awaiting completion of this activity.

3.2.4 Temperature/Pressure Outside Containment

Class 1E equipment in the reactor building could be exposed to two postulated accident types: a LOCA/HELB in primary containment or an HELB in the

reactor building. These conditions were determined from References 5, 6, and 12. As explained in Section 4.0 of this report, equipment is evaluated to the worst accident environment in which it is required to function.

A LOCA/HELB in primary containment would cause an increase in the reactor building's temperature and humidity. The maximum conditions have been defined as $T_{\max} = 150^{\circ}\text{F}$ and 100% R.H. (Reference 6). An evaluation is currently being performed to determine the actual time/humidity profile.

The effects of all postulated high energy line breaks in the reactor building were determined. Breaks in the following high energy lines were considered:

- 26" main steam line (envelops feedwater line break)
- 4" RCIC steam line
- 6" RWCU steam line
- 4" RWCU steam line
- 4" Auxiliary steam
- 3" Auxiliary steam

Temperature/pressure profiles were developed for all areas that could be affected by these breaks. These profiles are presented in Appendix B. The relative humidity was assumed to be 100 percent to obtain the maximum accident temperatures.

The accident profile due to a main steam line break in the steam tunnel was determined from Reference 5. The remaining temperature/pressure profiles in the reactor building were developed using the RELAP4 and CONTEMP4 computer models (References 13 and 14). Detailed modeling of compartments and fluid flow paths were made. Heat sinks were modeled using appropriate heat transfer correlations.

A safe shutdown analysis is currently underway for all postulated accidents. The results of this analysis may modify the worst environmental conditions for some components. At the conclusion of this analysis, additional component evaluations will be performed, if required.

3.2.5 Flooding

The top of the main vents from the drywell to the suppression pool are approximately 12 inches above the drywell floor. This is the maximum flood level since any excess water would drain to the suppression pool. No Class 1E equipment or connections are located between the diaphragm floor and the top of the downcomer vent pipes.

The flooding due to postulated high energy line breaks in the reactor building is being evaluated. Upon completion of the evaluation, if any Class 1E component is found to be located at or below the flood level, it will be relocated. If relocation is not feasible, it will be protected or qualified for submergence.

As required by NUREG 0803 (Reference 15), the effects due to line breaks in the Control Rod Drive system have been evaluated. No safety related equipment would be submerged due to a break in this system (Reference 16).

3.3 MILD ENVIRONMENT AREAS IN SECONDARY CONTAINMENT

A mild environment is an area in which the maximum temperatures, pressures and humidity are not expected to change significantly during or following design basis events. In addition, the cumulative radiation dose to equipment in these areas is below 10^4 rad (Reference 17).

Some of the motor control center rooms in the reactor building are classified as mild environments. These rooms are isolated and serviced by Class 1 HVAC systems so the temperature, pressure and humidity conditions will not

change significantly. Also, the total radiation dose (normal + accident) in these rooms is less than 10^4 rad.

The following service conditions for these areas have been determined:

$T_{\max} = 108^{\circ}\text{F}$

$P_{\max} = \text{atmospheric}$

$\text{R.H.}_{\max} = 90\%$

Radiation $< 10^4$ rad TID

4.0 QUALIFICATION METHODS

The purpose of the equipment qualification evaluations is to ensure that all Class 1E equipment will perform its safety function during its installed life and in the harsh environment following a LOCA or HELB. To accomplish this, the Class 1E equipment at WNP-2 was evaluated in accordance with the guidelines in NUREG 0588, Category II. The Equipment Qualification Reports in Appendix C summarize the evaluations that have been performed. Backup documentation and calculations are contained in vendor qualification files on file at the Supply System's offices.

4.1 EQUIPMENT EVALUATIONS

The following steps are involved in evaluating the qualification of the Class 1E equipment:

a. Data Collection

All available test data and analyses were sought for the Class 1E equipment. Data sources included the equipment vendors, the NSSS supplier (General Electric), the architect/engineer (Burns and Roe) and other utilities with the same equipment. Additionally, the Supply System is participating in the generic qualification activities of the BWR Utility Equipment Environmental Qualification Group and the EPRI Equipment Qualification Data Bank.

b. Acceptance Criteria Definition

The acceptance criteria to which Class 1E equipment qualification plans, tests and analyses are evaluated have been developed. These criteria are based on NUREG 0588, Category II, and IEEE 323-71. The Supply System Engineering Procedure EDI-4.8, titled "Acceptance Criteria for WNP-2 Safety-Related Equipment

Qualification" (Reference 18), documents the criteria that have been developed. Section 4.2 of this report highlights the major points of the acceptance criteria.

c. Documentation Review

The qualification data are evaluated to determine whether the equipment is qualified in accordance with the acceptance criteria. Supplementary analyses are performed to complete qualification, when necessary. The Equipment Qualification Reports in Appendix C summarize the evaluations that have been performed.

d. Resolution of Qualification Deficiencies

In cases where insufficient documentation is available, requalification is initiated. The requalification method is chosen based on a number of factors, including the available test data, the severity of the accident environment and the complexity of the component. Evaluations, such as analysis of the materials of construction and failure modes and effects analysis, are performed when required. Replacement, testing, shielding and relocation are also used to resolve qualification deficiencies.

4.2 TECHNICAL APPROACH

The technical approach described below, contained in Reference 18, were used to determine the qualification level of each component. They meet the guidelines in NUREG 0588, Category II, and in many cases are more conservative.

The selection of qualification methods is based on the severity of the accident conditions and the function of the component. Two controlling types of harsh environments have been determined at WNP-2.

1. Severe Harsh environments--This environment is created by a LOCA/MSLB inside containment and is characterized by high temperatures, high pressures, high radiation levels, steam conditions, 100% relative humidity and demineralized water spray. This condition is found only in the primary containment.
2. Moderate Harsh environments--This environment is created by a steam line break outside containment and is characterized by High to Moderate temperatures, steam conditions and 100% relative humidity. High pressures, radiation, spray or flooding are not present in this environment.

These environments can cause adjacent plant area environments to change and produce harsher environments than would be present during normal operation. Most of the Reactor Building will experience a change from its normal environment due to a LOCA in primary containment. With the exception of the SGTS, Hydrogen Recombiner, and the RCIC pump room which have high radiation levels due to processing containment atmosphere, moderate radiation, moderate temperature, and 100% humidity characterize their conditions. Significant changes in pressure, steam conditions, spray or flooding do not occur.

In conformance with Appendix E of NUREG 0588, all safety related equipment that must function during a harsh environment has been classified. The specific environment that this equipment will experience has been provided in the Equipment Qualification Reports in Appendix C.

4.2.1 Equipment Inside Primary Containment

In the containment, where equipment will experience the direct effects of a LOCA, a rigorous set of criteria was established. This approach was taken due to the severe harsh environmental conditions that occur. A complete sequential test (aging, radiation, temperature/pressure under steam conditions) was a required element of the documentation. Test data was evaluated to IEEE-323, 1974. The evaluation included verifying the qualified life,

radiation exposure, steam temperature/pressure levels and duration were adequate to envelop the containment environmental service conditions. When actual test durations were less than the required period of operability, evaluations were performed to establish the test duration deficiency was adequately covered by a greater than required post LOCA test condition. The test results were reviewed to verify that the component met its required performance characteristics before, during, and after testing.

4.2.2 Equipment Inside the Reactor Building (Secondary Containment)

Most Class 1E equipment in the reactor building is not required to function for both the steam line break accident (moderate harsh environment) and the secondary harsh environment created by the LOCA inside containment.

For equipment in moderate radiation zones that must function during the LOCA but is not required to function to mitigate the effects of a steam line break, a less rigorous evaluation criteria was used. Analysis of material thermal and radiation capability was allowed. In most cases elevated temperature testing with steam conditions and 100% relative humidity testing data was available to demonstrate the components' capability to the thermal and humidity conditions. Missing in the documentation was information addressing the components capability to withstand the radiation levels. Evaluation to verify that the material functional threshold levels were greater than the service conditions was performed to supplement the documentation. This material radiation analysis was limited to equipment that does not contain sensitive transistor and integrated circuit solid state components.

The functional radiation threshold for a component was based on the material and functions of each non-metallic part. The applicable material property (i.e., compression set, elongation, etc.) was considered. In some cases the material functional threshold was found to be greater than the radiation

level that first causes a noticeable change in the material (threshold level). These cases were generally static applications such as gaskets and O-rings.

Material handbooks were consulted to determine the humidity susceptibility of selected materials of construction such as gaskets and O-rings. Test data was required for nonsealed electrically energized parts such as motor windings and solenoid coils.

For equipment located in the Reactor Building high radiation zones previously mentioned, radiation testing documentation which demonstrates the components capability was required.

For equipment that must function during a LOCA and also function to mitigate the steam line break accident, testing to the steam line break conditions was a required element in the documentation review. However, sequential radiation testing in conjunction with the steam line break was not a required element. Material radiation effects evaluation as described previously was allowed. This approach is acceptable because it is not required to postulate that both these events occur simultaneously. Therefore, the steam conditions and the radiation conditions would not occur simultaneously but they are produced by separate accidents.

4.3 MARGIN

Margin, or conservatism, is added to all aspects of the equipment qualification procedure. This is done to account for normal variations in commercial production of equipment and reasonable errors in defining acceptable performance.

The qualification requirements were established using conservative assumptions and analytical procedures. The incontainment thermal hydraulic profiles contain the $T_{sat} + 200^{\circ}\text{F}$ margin. The reactor building thermal

hydraulic profiles have been developed using conservative computer codes. The required radiation doses were developed using conservative source terms, as discussed in Section 3.2.3 of this report.

A minimum operating time of one hour was used for most of the equipment that is required to perform its safety function within a short time into the event and, once its function is complete, subsequent failures are not detrimental to plant safety. In the specific cases where less than one hour was used, a system and component function evaluation was performed to determine a conservative operating time.

4.4 AGING

The purpose of evaluating equipment aging is to assure that equipment will perform its safety function in an advanced life state during or following the hostile environment following a LOCA/HELB. The program developed by the Supply System addresses this issue within the context of current aging technologies.

A qualified life has been determined for all Class 1E equipment in primary containment. The life is calculated based on accelerated aging test data and current analytical techniques (Arrhenius model, 10°C Rule). Manufacturer's recommendations are also evaluated when determining a qualified life.

Aging of equipment in the reactor building will be addressed through preventive maintenance/surveillance programs. These programs will assure that all Class 1E equipment in these areas will be capable of performing its safety function during and following an accident. Inspection programs are being developed to track component degradation. Rebuild and replacement schedules are being established based on materials known to be age susceptible. Operating experience at other plants and manufacturer recommendations are being utilized. Since the reactor building is

accessible during plant operation, these activities will be performed on a regular basis. Component degradation will be tracked and equipment upgraded as required.

Common mode failure of Class 1E equipment in the reactor building is an unlikely event, in any case. Accident temperatures are low and radiation doses are often below the damage threshold of the components. Therefore, the stresses on components would not be increased significantly to cause common mode failure of equipment in an advanced life state.

4.5 DOCUMENTATION

The Equipment Qualification Reports in Appendix C summarize the qualification evaluations that have been performed. Tests, analyses and other documentation used to demonstrate that each component is qualified for its application and meets its specific performance requirements are on file at the Supply System.

5.0 QUALIFICATION RESULTS

D The environmental qualification status of the components identified on the Class 1E Equipment List (Appendix A) has been evaluated. The status of the evaluations is presented on the Equipment Qualification Reports in Appendix C.

5.1 EFFORTS TO DATE

All of the installed Class 1E equipment and most of the equipment yet to be installed has been identified. The available qualification documentation has been obtained and reviewed for this equipment. The reviews, supplemented by engineering analyses, have determined that most of the components meet the requirements of NUREG 0588, Category II. None of the components failed the qualification testing; but, in some cases, it has been determined that there is insufficient documentation to support complete qualification. These cases are being resolved as the qualification evaluation is completed. The method for completing the qualification is included on the individual Equipment Qualification Reports in Appendix C.

D 5.2 ON-GOING ACTIVITIES

Evaluation and requalification of Class 1E equipment at WNP-2 is continuing. The following activities are being performed:

- Qualification documentation is being obtained for recently identified equipment. This includes equipment being procured to address Reg. Guide 1.97 concerns.
- LOCA tests have been completed on terminal blocks. Test specifications are being developed for five other equipment types.
- Evaluation of fourteen (14) BWR NSSS generic instrument types is in progress.

- Certain components, such as limit switches, solenoid valves and motor operators, are being replaced with components qualified to IEEE 323-74.
- Where required, motor control center rooms are being shielded from direct radiation to make them mild environments (TID <10⁴ rad).
- A preventive maintenance/surveillance program is being developed to address equipment aging.
- The impact of NUREG 0803 on the equipment qualification program is being evaluated.

In addition to the activities to resolve component specific qualification deficiencies, the Supply System is pursuing a number of generic qualification activities. These activities, which are being performed to keep abreast of the current equipment qualification technology, include the following:

- The Supply System is a member of the EPRI Equipment Qualification Advisory Group. The Supply System is also participating in the BWR Utility Equipment Environmental Qualification Group.
- All new Class 1E equipment located in harsh environment areas currently being ordered are specified to be qualified to IEEE 323-74 and 344-75.
- All IE Bulletins, Circulars and Information Notices are being reviewed to determine their impact on the WNP-2 equipment qualification program.

6.0 JUSTIFICATION FOR INTERIM OPERATION

To obtain an operating license for WNP-2, the Supply System has been notified that all safety-related electrical equipment shall be reviewed using NUREG 0588, Category II, "Interim Staff Position on Environmental Qualifications of Safety-Related Electrical Equipment", as the basis for determining the adequacy of the safety-related equipment's documentation. Furthermore, the NRC staff has informed the Supply System that any corrective action determined as a result of this review must be completed before a full power license will be granted.

The Equipment Qualification Program for WNP-2 is in process and, as demonstrated by this report, many components have been shown qualified by existing documentation. However, it is unlikely that all safety-related electrical equipment will be fully qualified before desired start-up of WNP-2. Therefore, a Justification for Interim Operation (JIO) of WNP-2 will be performed and submitted at a later date to provide a basis for operation. It is expected that this interim operating period would not exceed one refueling cycle.

This study will evaluate the following six safety objectives:

1. Emergency Reactor Shutdown
2. Containment Isolation
3. Reactor Core Cooling
4. Containment Heat Removal
5. Core Residual Heat Removal
6. Prevention of Significant Release of Radioactive Material to the Environment

The primary systems and equipment necessary to achieve these six safety functions have been identified and are provided herein (Reference Appendix Safety Function Data Field).

The basic design of WNP-2, which incorporates the BWR industry design practice of defense in depth, diversity of function and separation of divisions, provides other means of accomplishing the six safety functions. The JIO for WNP-2 will evaluate other means that can be used and determine the degree of influence of harsh environments on these alternate systems and equipment.

Preliminary investigation on WNP-2 and studies of this nature by other BWR plants of similar design provide confidence that this evaluation will show WNP-2 can achieve the six safety functions identified above without completion of the full qualification program prior to full power operation. In the event that this evaluation also shows that some equipment requires qualification prior to full power operation, qualification programs will be scheduled and completed consistent with the full power operating schedule.

7.0 SUMMARY

This document summarizes the evaluation of environmental qualification of Class 1E equipment in WNP-2, performed in accordance with NUREG 0588, Category II. It provides a summary of the Environmental Qualification Program that is being undertaken by the Supply System. The program will ensure that all Class 1E equipment will perform its safety-related function during normal, abnormal and postulated accident conditions.

The present status of the evaluation is as follows:

- Normal, abnormal and accident service conditions in primary containment and the reactor building (harsh environments) have been defined. Flooding is currently being evaluated. The humidity in the reactor building due to a LOCA in containment is also being reevaluated. Radiation doses in primary containment and the SGT and CAC equipment areas are being reevaluated to reduce conservatisms.
- All Class 1E equipment has been identified by the tag number. The location and manufacturer's data for most of this equipment have been determined.
- The qualification status of identified Class 1E equipment has been determined. The status of some equipment not installed will be determined when additional data is received.
- Actions have been taken to resolve qualification deficiencies.

2792 Class 1E components have been identified. Qualification data has been evaluated and a qualification status has been determined for 2662 (95%) of these components. The status of the equipment evaluations is as follows:

- 1997 components are qualified to the environmental service conditions
- 171 components are being qualified by modification of the environment
- 108 components are being replaced or purchased qualified
- 51 components are being type tested
- 297 components are being qualified by engineering evaluations or testing.
- 168 components require additional data to determine the qualification status

The qualification status of each component is described on the Equipment Qualification Reports in Appendix C.

This report documents the current status of the environmental equipment qualification program at WNP-2. Additional submittals will be made as qualification activities are completed.

8.0 REFERENCES

1. NRC Office of Nuclear Reactor Regulation, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment", NUREG 0588, Rev. 1.
2. NRC Division of Project Management, "Qualification of Safety-Related Electrical Equipment", letter from D. F. Ross (NRC) to Operating Licenses Applicants, February 1980.
3. The Institute of Electrical and Electronics Engineers, Inc. (IEEE), "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations", IEEE Standard 323-1974; 1974.
4. EDS Nuclear Inc., "Review of 1E/1M Equipment Lists for Safety-Related Systems", Project Instruction No. 7, Job No. 1140-001, Revision 3, October 12, 1981.
5. General Electric Environmental Design Specification No. 22A3008, Revision 5, April 1977.
6. Washington Public Power Supply System, "WNP-2 - Final Safety Analysis Report".
7. NRC Office of Nuclear Reactor Regulation, "Clarification of TMI Action Plan Requirements", NUREG 0737, Rev. 0, October 31, 1980.
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12. Washington Public Power Supply System, "WNP-2 Subcompartment Temperature and Pressure Analyses for High Energy Pipe Breaks in the Reactor Building", Memo ED-CDS-81-05, May 27, 1981.
13. Idaho National Engineering Laboratory, "RELAP4/MOD5, A Computer Program for Transient Thermal Hydraulic Analysis of Nuclear Reactors and Related Systems", Volumes I and II, ANCR-NUREG 1335, September 1976.
14. CONTEMP4/MOD2, "A Multicompartment Containment Systems Analysis Program" TREE-NUREG 1202, February 1978.
15. NRC Office of Nuclear Reactor Regulation, "Generic Safety Evaluation Report Regarding Integrity of BWR Scram System Piping", NUREG 0803.
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17. EPRI, "Radiation Effects on Organic Materials in Nuclear Plants", Report NP-2129, Project 1707-3, November 1981.
18. Washington Public Power Supply System, "Acceptance Criteria for WNP-2 Safety Related Equipment Qualification", Engineering Instruction No. EDI-4.8.
19. Washington Public Power Supply System, "Interim Shielding Evaluation Radiation Report", letter No. GO-2-82-24 from G. D. Bouchey (WPPSS) to A. Schwencer (NRC), January 11, 1982.

Appendix A contains the following information:

- Class 1E List Users Manual: a description of the use fields and abbreviations on the Class 1E List A.1
- System Code List: a list of system abbreviations used on the Class 1E Equipment List A.10
- Component Table: a list of the component abbreviations used on the Class 1E Equipment List A.14
- Class 1E Equipment List



Class 1E Equipment List Users Manual: Description of codes used on the
Class 1E list

Column Designation	Description
1. CONTRACT	The contract under which the equipment was purchased. The contracts beginning with 02 and Contract 59 were with the NSSS supplier. The two-digit contracts are for equipment purchased through our A/E and the three-digit contracts indicate equipment purchased through contractors at the construction site.
2. COMPOSITE NO.	The composite, such as instrument rack or valve, on which a component is located.
3. EQUIPMENT NO.	The equipment piece number (EPN) is listed. It is composed of the system designation (a complete list is enclosed), a component code (list enclosed) and a unique identifier.
4. MFG	Manufacturer: Contains the code prepared for the industry by Southwest Research Corporation indicating the company who manufactured the equipment. In a few cases where the manufacturer has not been determined, the supplier's code was put in this column until the manufacturer has been determined.
5. MFG MODEL NO.	The manufacturer's model number. In the cases where this has not been determined, General Electric purchased part drawing number or other applicable information is supplied.

6. Q.I.D.

The Qualification Identification is a six-digit number indicating a file which contains all the qualification documentation for that EPN along with summary forms and plant walk-through records.

7. LV

Level assigned to equipment. An identifier which will permit the sorting of the 1E/1M list into major pieces of equipment, instrumentation and subcomponent parts.

Level 1: Class 1E/1M composite equipment which requires qualification of the overall assembly. Each composite piece of equipment will be identified with a unique Equipment Piece Number (EPN) and will have the symbol "+" added to the end of the EPN. Motor operated valves would be listed as composite equipment with a level designation of 1.

Other examples would include the diesel generator skids, pump skids, air handling units, filter/dryer assemblies, air compressors, etc.

Level 2: A Class 1E/1M component or instrument function which requires individual qualification.

The instrument function is described by an instrument loop which could include a sensor, a switch, an alarm, an indicator and/or a controller. Whenever an instrument loop is identified as Safety-Related, the sensor will receive a Level 2 designation and all other instrument loop components will be designated Level 3.

Example 1: For a motor-operated valve, the valve body, valve motor, and external limit switches (if they have a Safety-Related function) are all Level 2 components.

Example 2: An instrument consisting of a flow element, flow transmitter, flow switch and flow indicator would have the flow element as Level 2 with the other components as Level 3.

Level 3: Any 1E/1M instrumentation component not included in Level 2.

Example: A flow transmitter associated with a 1E/1M flow element would be designated as Level 3.

Level 4: A subcomponent of a class 1E/1M component.

Example: Internal limit switch to motor operators for valves, dropping resistors, pressure transmitter circuit boards, wiring, indicating lights, etc.

8. EC

The Class 1 action that a piece of equipment or a system is required to perform or monitor that makes it Safety Related.

A component may provide one or more of the safety functions listed below.

<u>Symbol</u>	<u>Function</u>
---------------	-----------------

A.	Emergency Reactor Shutdown including SCRAM Signals and Reactivity Insertion.
----	--

<u>Symbol</u>	<u>Function</u>
B.	Containment Isolation B1 Primary Containment B2 Reactor Building
C.	Emergency Core Heat Removal
D.	Containment Atmosphere Control
E.	Core Residual Heat Removal, including Long-Term Cooling
F.	Prevention of the Release of Radioactive Material to the Environment
G.	No Active Safety Function but a Passive Integrity Function
H.	Emergency Electrical Power Systems, AC and DC
I.	Instrumentation to Follow the Course of an Accident
J.	Compartment Heat Removal for Equipment Oper- ability or Personnel Habitability

9. PLANT LOCATION The location of the component within the plant by building, elevation and coordinates.

10. Q.S.

Qualification Status (second column) indicates the environmental qualification of the equipment. The following list shows the meaning of the codes used.

- A - Acceptable, thermal aging completed
- B - Acceptable, thermal aging being covered by surveillance
- C - Acceptable, not installed
- D - No documentation in files
- G - Being requalified by modification of the hardware or the environment
- M - Being requalified by analysis
- N - Not Acceptable, requalification method not yet determined
- P - Purchasing qualified replacement
- R - Not reviewed
- T - Being requalified by test

The first column shows the seismic qualification status.

11. F/O HOURS

The time, in hours, a component is required to function following an accident.

12. EQUIPMENT
DESCRIPTION

A description of the equipment function.

13. DRAWING

The plant P&ID on which the component appears.

14. USE

Contains codes which describe equipment use during accident and/or normal plant shutdown conditions. The USE field is based on Item 2 Appendix E of NUREG 0588.

The "USE" input field is a two-digit field. The first digit shows the equipment operability requirement for accident mitigation and the second shows the equipment operability requirements for Hot or Cold shutdown conditions.

X X

0 The equipment is not required before, during or after an accident.

Example: Equipment in this category provides no active function, but may provide a passive function by containing radioactive material outside the Reactor Building. It need not be qualified to demonstrate operability, even under non-accident service environments.

1 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.

Example: Equipment in this category is required for accident mitigation of accidents analyzed in the FSAR. This includes: pumps, valves, electrical equipment, instrumentation to follow the course of an accident, etc.

2 Equipment will experience environmental conditions of design basis accidents through which it need not provide an active function for mitigation of said accidents, but through which it must not fail in a manner detrimental to plant safety or accident mitigation, 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.

Example: Equipment in this category must not actively fail in a manner detrimental to plant safety, e.g., a motor operated valve that is normally shut would be categorized as a "2" if its inadvertent opening would be detrimental to plant safety. Equipment that provides only a passive integrity function on a potentially contaminated system will be categorized as a "2" and will have a "G" placed in the "EC" column.

Category 2 will include all manual, boundary, integrity, test and root valves which may be exposed to post-LOCA and radioactive drain systems components (FDR and EDR).

- 3 Equipment that will experience environmental conditions of design basis accidents through which it need not function for mitigation 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 nonaccident service environment.

Example: Equipment in this category is limited to the 1E/1M equipment in the "harsh environments" which is Safety-Related only to prevent the release of radioactive material and will not be exposed to post-LOCA radioactive fluids.

This category will include the components of the Reactor Water Clean-up System downstream of the second containment isolation valve.

- 4 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 accident service environment. This equipment would be located outside the Reactor Building.

Second Digit

X X

- 0 The equipment is not required to operate to shut down the plant during normal conditions.

- 1 The equipment is required to operate for Hot Shutdown only during normal plant conditions.
- 2 The equipment is required to operate for Cold Shutdown only during normal plant conditions.
- 3 The equipment is required to operate for both Hot Shutdown and Cold Shutdown during normal conditions.

PROJ

SYSTEM CODE

PROJ	SYSTEM CODE	SYSTEM TITLE
02	ANN	ANNUNCIATORS
02	APRH	AVERAGE-POWER-RANGE MONITOR SYSTEM
02	AR	AIR REMOVAL SYSTEM
02	ARM	AREA RADIATION MONITORING
02	AS	AUXILIARY STEAM SYSTEM
02	BA	BACKWASH AIR SYSTEM
02	BCF	BOILER CHEMICAL FEED SYSTEM
02	BD	BLOWDOWN SYSTEM
02	BS	BLEED (EXTRACTION) STEAM SYSTEM
02	C	CONTAINMENT STRUCTURES AND APPURTANCES
02	CAC	CONTAINMENT ATMOSPHERE CONTROL SYSTEM
02	CAS	CONTROL AIR SYSTEM
02	CBD	CIRCULATING WATER BLOWDOWN SYSTEM
02	CEP	CONTAINMENT EXHAUST PURGE SYSTEM
02	CF	CHEMICAL FEED SYSTEM
02	CIA	CONTAINMENT INSTRUMENT AIR SYSTEM
02	CL	CHLORINE SYSTEM
02	CHS	CONTAINMENT MONITORING SYSTEM
02	CN	CONTAINMENT NITROGEN SYSTEM
02	CND	CONDENSOR DRAINS / VENTS SYSTEM
02	CO	AUXILIARY CONDENSATE SYSTEM
02	COND	NUCLEAR CONDENSATE SYSTEM
02	CO2	CARBON DIOXIDE SYSTEM
02	CPR	CONDENSATE DEMINERALIZER SYSTEM
02	CRA	CONTAINMENT RETURN AIR SYSTEM
02	CRD	CONTROL ROD DRIVE SYSTEM
02	CSP	CONTAINMENT SUPPLY PURGE SYSTEM
02	CTHA	C.T. ELECTRICAL BLDG MIXED AIR (HVAC) SYSTEM
02	CVB	CONTAINMENT VACUUM BREAKER SYSTEM
02	CW	CIRCULATING WATER SYSTEM
02	DCW	DIESEL COOLING WATER SYSTEM
02	DE	DIESEL EXHAUST (ENGINE) SYSTEM
02	DEA	DIESEL BUILDING EXHAUST AIR (HVAC) SYSTEM
02	DEH	DIGITAL-ELECTRO-HYDRAULIC CONTROL SYSTEM
02	DG	DIESEL GENERATOR SYSTEM
02	DLO	DIESEL LUBE OIL SYSTEM
02	DHA	DIESEL BUILDING MIXED AIR (HVAC) SYSTEM
02	DO	DIESEL OIL SYSTEM
02	DOA	DIESEL BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	DRA	DIESEL BUILDING RETURN AIR (HVAC) SYSTEM
02	DSA	DIESEL STARTING AIR SYSTEM
02	DW	DEMINERALIZED WATER SYSTEM
02	E	ELECTRICAL SYSTEM
02	ED	EQUIPMENT DRAIN SYSTEM (PIPING ONLY)
02	EOR	EQUIPMENT DRAINS RADIOACTIVE SYSTEM
02	ES	EXHAUST STEAM (TURBINES) SYSTEM
02	FD	FLOOR DRAIN SYSTEM
02	FDR	FLOOR DRAIN RADIOACTIVE SYSTEM
02	FO	FUEL OIL SYSTEM
02	FP	FIRE PROTECTION SYSTEM
02	FRC	FUEL POOL COOLING SYSTEM

PROJ SYSTEM CODE

PROJ	SYSTEM CODE	SYSTEM TITLE
02	FU	FILTERED WATER SYSTEM
02	GEA	GUARD HOUSE EXHAUST AIR (HVAC) SYSTEM
02	GFP	GUARD HOUSE FIRE PROTECTION SYSTEM
02	GMA	GUARD HOUSE MIXED AIR (HVAC) SYSTEM
02	GOA	GUARD HOUSE OUTSIDE AIR (HVAC) SYSTEM
02	GPMH	GUARD HOUSE POTABLE HOT WATER SYSTEM
02	GRA	GUARD HOUSE RETURN AIR (HVAC) SYSTEM
02	GY	GLYCOL SYSTEM
02	HCO	HEATING STEAM CONDENSATE SYSTEM
02	HD	HEATER DRAIN SYSTEM
02	HHW	HEATING HOT WATER SYSTEM
02	HPCS	HIGH PRESSURE CORE SPRAY SYSTEM
02	HS	HEATING STEAM SYSTEM
02	HV	HEATER VENT SYSTEM
02	HY	HCC HYDRAULIC CONTROL
02	H2	HYDROGEN SYSTEM
02	IBD	ISO PHASE BUS DUCT SYSTEM
02	IRM	INTERMEDIATE RANGE MONITOR
02	LD	LEAK DETECTION SYSTEM
02	LE	LABORATORY EQUIPMENT
02	LPCS	LOW PRESSURE CORE SPRAY SYSTEM
02	LPRM	LOCAL POWER RANGE MONITOR SYSTEM
02	MD	MISCELLANEOUS DRAIN SYSTEM
02	MET	METEOROLOGICAL SYSTEM
02	MS	MAIN STEAM (NUCLEAR) SYSTEM
02	MSH	MACHINE SHOP EQUIPMENT
02	MSLC	MAIN STEAM LEAKAGE CONTROL SYSTEM
02	MSRV	MAIN STEAM RELIEF VALVE SYSTEM (FIPING ONLY)
02	MT	MATERIAL TRANSPORT SYSTEM
02	MV	MISCELLANEOUS VENTS (FIPING ONLY)
02	NW	MISCELLANEOUS WASTE SYSTEM
02	NWR	MISCELLANEOUS WASTE (RADIOACTIVE) SYSTEM
02	NSSE	NUCLEAR SYSTEM SERVICING EQUIPMENT SYSTEM
02	OG	OFF GAS SYSTEM
02	P	PUMP HOUSE (ALL) BLDG STRUCTURE & APPURTANCES
02	PEA	PUMP HOUSE EXHAUST AIR (HVAC) SYSTEM
02	PI	PROCESS INSTRUMENTATION SYSTEM
02	PHA	PUMP HOUSE MIXED AIR (HVAC) SYSTEM
02	POA	PUMP HOUSE OUTSIDE AIR (HVAC) SYSTEM
02	PRA	PUMP HOUSE RETURN AIR (HVAC) SYSTEM
02	PS	PROCESS SAMPLING SYSTEM
02	PSR	PROCESS SAMPLING RADIOACTIVE SYSTEM
02	PV	PROCESS VENT SYSTEM
02	PVR	PROCESS VENTS RADIOACTIVE SYSTEM
02	PWC	POTABLE COLD WATER
02	PWH	POTABLE HOT WATER
02	PWR	PROCESS RADIOACTIVE (SOLIDS) SYSTEM
02	R	REACTOR BLDG STRUCTURE & APPURTANCES
02	RBM	RBD BLOCK MONITOR SYSTEM
02	RCC	CLOSED COOLING WATER SYSTEM
02	RCIC	REACTOR CORE ISOLATION COOLING SYSTEM

PROJ SYSTEM CODE

PROJ	SYSTEM CODE	SYSTEM TITLE
02	RD	ROOF DRAIN SYSTEM (PIPING ONLY)
02	REA	REACTOR BUILDING EXHAUST AIR (HVAC) SYSTEM
02	RFT	REACTOR FEEDWATER TURBINE SYSTEM
02	RFW	REACTOR FEEDWATER SYSTEM
02	RHR	RESIDUAL HEAT REMOVAL SYSTEM
02	ROA	REACTOR BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	RPS	REACTOR PROTECTION SYSTEM
02	RPWH	REACTOR BUILDING POTABLE HOT WATER
02	RRA	REACTOR BUILDING RETURN AIR (HVAC) SYSTEM
02	RRC	REACTOR RECIRCULATION SYSTEM
02	RWCU	REACTOR WATER CLEANUP SYSTEM
02	S	SAMPLING SYSTEM
02	SA	SERVICE AIR SYSTEM
02	SAT	SULFURIC ACID TREATMENT SYSTEM
02	SCH	SERVICE BUILDING CHILLED WATER SYSTEM
02	SCI	SUPERVISORY CONTROL INSTRUMENTATION
02	SCW	STATOR COOLING WATER SYSTEM
02	SEA	SERVICE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	SEC	PLANT SECURITY SYSTEM
02	SEIS	SEISMIC MONITORING SYSTEM
02	SGT	STANDBY GAS TREATMENT SYSTEM
02	SHCO	SERVICE BUILDING HEATING CONDENSATE SYSTEM
02	SHHW	SERVICE BUILDING HEATING HOT WATER SYSTEM
02	SLC	STANDBY LIQUID CONTROL SYSTEM
02	SM	SAMPLING SYSTEM
02	SHA	SERVICE BUILDING MIXED AIR (HVAC) SYSTEM
02	SO	SEAL OIL SYSTEM
02	SPTH	SUPPRESSION POOL TEMP MONITORING SYSTEM
02	SPWH	SERVICE BUILDING POTABLE HOT WATER SYSTEM
02	SRA	SERVICE BUILDING RETURN AIR (HVAC) SYSTEM
02	SRM	SOURCE RANGE MONITOR SYSTEM
02	SS	SEALING STEAM SYSTEM
02	SW	STANDBY SERVICE WATER SYSTEM
02	T	TURBINE BLDG STRUCTURE & APPURTANCES
02	TEA	TURBINE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	TEST	TEST EQUIPMENT AND INSTRUMENTS
02	TG	TURBINE GENERATOR
02	TIP	TRAVERSING INCORE PROBE SYSTEM
02	THU	TOWER MAKE UP WATER SYSTEM
02	TO	TURBINE LOEE OIL SYSTEM
02	TOA	TURBINE BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	TPWH	TURBINE BUILDING POTABLE HOT WATER SYSTEM
02	TRA	TURBINE BUILDING RETURN AIR (HVAC) SYSTEM
02	TSW	PLANT SERVICE WATER SYSTEM
02	VR	RADIOACTIVE VENT (PIPING ONLY)
02	W	RADWASTE BLDG STRUCTURE & APPURTANCES
02	WCH	WASTE BUILDING CHILLED WATER SYSTEM
02	WEA	WASTE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	WHCO	WASTE BUILDING HEATING CONDENSATE SYSTEM
02	WHA	WASTE BUILDING MIXED AIR (HVAC) SYSTEM
02	WNP2	GENERAL SITE STRUCTURES, SYSTEMS & EQUIPMENT

MEL-M35

PROJ

SYSTEM CODE

WNP-2 MASTER EQUIPMENT LIST
SYSTEM CODE LIST
SYSTEM TITLE

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4

02	WOA	WASTE BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	UPWH	WASTE BUILDING POTABLE HOT WATER SYSTEM
02	WRA	WASTE BUILDING RETURN AIR (HVAC) SYSTEM
02	WRE	WASTE BUILDING REFRIGERATION SYSTEM

COMP CODE	COMPONENT IDENTIFICATION	C	R	MPRD COMP	A B C D E F	H	UNIT	H	UNIT	J	UNIT	L	E	G	S	P	P	SPARE S.
																		PART NO CLS
AC	AIR CONDITIONING UNIT	M	BLOWER	X A ##			SCFM		PSIG		HP	C #						02-015
AD	AIR DAMPER	M	VALVEX	B G			IN		PSIG		DEGF	D #						02-019
AH	AIR HANDLING UNIT	M	BLOWER	C A ##			SCFM	#			HP	D #						02-024
ALM	ALARM			V3 ED								B						02-187
ALT	ALTERNATING RELAY	E	CKTBKR	EXC					DEGF		AMP	B						02-385
AM	ANEMETER	E	INSTRU	IY	# #							B						02-295
AMP	AMPLIFIER		INSTRU	VX CA								B						02-195
ANN	ANNUNCIATORS	E	ANNUNC	CB###	#													02-
AO	AIR OPERATOR	M	VALVOP	##			LB		FTLB	#		C #						02-303
AR	AIR RECEIVER																	02-120
AR	ALARM RECORDER																	02-205
ASM	AIR SWITCH	I	VALVEX	X								B						02-325
AUX	AUX. INST. OR ELECT. EQUIP	I	INSTRU	XY###								B						02-165
AV	AIR RELEASE VALVE	M	VALVEX	XFL			IN		PSIG		DEGF	D #						02-130
AW	AIR WASHER	M	FILTER	A ##					PSID		MICR	C #						02-024 OT
AY	ANALYZER	I	INSTRU	A	#							B						02-158
BD	BOARD	E		####	#							B						02-
BJM	BRANCH JUNCTION MODULE	I	INSTRU	XYCX	#							B						02-385
BL	BEL	M	HECFUN	XX ##			FTLB		RPM		RPM	C #						02-020
BLR	BELER	M	HTEXCH	B #			KSFT		PSIG		MBH	C #						02-025 OT
BUOY	BUOY	I	HECFUN	#####	#							D #						02-175 OT
B3	24 VOLT BATTERY	E	BATTY	##	#				VDC		AMPH	B						02-260
B1	125 VOLT BATTERY	E	BATTY	##	#				VDC		AMPH	B						02-260
B2	250 VOLT BATTERY	E	BATTY	##	#				VCC		AMPH	B						02-260
C	COMPRESSOR	M	BLOWER	##			SCFM		PSIG		HP	C #						02-010
CAR	CHLORINE ANALYZER/RECORDER	I	INSTRU	A	#							B						02-150
CB	CIRCUIT BREAKER	E	CKTBKR	A			VAC		DEGF		AMP	B						02-265
CBL	CABLE	E	ELECON	CXXXX														02-
CC	COOLING COIL	M	HTEXCH	CH	#		KSFT		PSIG		MBH	C #						02-055
CCU	CENTRAL CONTROL UNIT	I	INSTRU	UCCFF	#													02-
CE	CONDUCTIVITY ELEMENT	I	INSTRU	CE								B						02-170
CF	CHARCOAL FILTER	M	FILTER	A ##			SCFM		PSID		MICR	B #						02-040
CHL	CHLORINATORS	M		#####	#							C #						02-
CI	CONDUCTIVITY INDICATOR	I	INSTRU	CIKX	#							B						02-175
CIS	CONDUCTIVITY INDIC. SWITCH	I	INSTRU	CSI	#							B						02-325
CIST	CONDUCTIVITY IND TRAN SWITCH	I	INSTRU	CTS	#							B						02-230
CIT	CONDUCTIVITY INDIC. TRANSMIT	I	INSTRU	CTI	#							B						02-230
CNTR	CONTACTOR, *CL. 1E ONLY*	E	CKTBKR	B					DEGF		AMP							02-
COE	CORROSIIVITY SENSOR	I	INSTRU	XEN	# #							B						02-
COMP	COMPUTER	I	INSTRU															02-202
CON	CONDUCTIVITY ANAL/CONTROLLER	I	INSTRU	CX	#							B						02-155
CONN	CONNECTOR, *CL. 1E ONLY*	E	ELECON	AXXXX														02-
COR	CORROSIIVITY RECORDER	I	INSTRU	XR#	#							B						02-
CP	CONTROL PANEL	E		#####	#							B						02-#
CPL	CATA COUPLER	I	INSTRU	XYNCK	00001		VDC		ZZZ	#	ZZZ							02-035
CR	DIODE, *CL. 1E ONLY*																	02-
CR	COVDUCTIVITY RECORDER																	02-205
CR	CFILLER																	02-055
CRA	CRANE	M	HECFUN	CX ##			FTLB		RPM	RPM		C #						02-106
CRM	CONTRCL ROOM MODULE	I	INSTRU	UYDYK	#													02-
CS	CONDUCTIVITY SWITCH	I	INSTRU	CSH	#							B						02-325
CT	CURRENT TRANSFORMER																	02-345

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MASTER EQUIPMENT LIST
COMPONENT TABLE

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COMP CODE	COMPONENT IDENTIFICATION	C	NP	R	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	IE	C	P	P	SPARE	SAF
														EE	GR	S	H	PART NO	CLS
CT	CONDUCTIVITY TRANSMITTER																	02-230	
CT	COCLING TOWER																	02-055	
CU	CONDENSING UNIT	M			ACCURU	X	##	PSIG		DEGF			C					02-080	
C0	24 VOLT BATTERY CHARGER	E			BATTY					VDC		AMPH	B					02-261	
C1	125 VOLT BATTERY CHARGER	E			BATTY					VDC		AMPH	B					02-261	
C2	250 VOLT BATTERY CHARGER	E			BATTY					VDC		AMPH	B					02-261	
C3																		02-	
C	DAPPER	M			VALVEX	B	G	IN		PSIG		DEGF	C					02-019	OT
EC	CUST COLLECTOR	M			FILTER		##	SCFM		PSID		MICR	C					02-024	OT
DE	DENSITY ELEMENT	I			INSTRU	XEN	##						B					02-170	
DET	DETECTOR	I			INSTRU	ASE	##						B					02-170	
DFS	DIFFERENTIAL FLOW SWITCH	I			INSTRU	FSD	##						B					02-325	
DIF	DIFFUSER	M			PIPEXX	X		IN		PSIG			C					02-080	OT
DISC	FUSED DISCONNECT	E			CKTBK	A	A			DEGF		AMP						02-	
CLR	DIFFERENTIAL LEVEL RECORDER	I			INSTRU	LRO							B					02-205	
DLR	DIFFERENTIAL LEVEL SWITCH	I			INSTRU	LSD							B					02-325	
DLT	DIFFERENTIAL LEVEL TRANSMITTER	I			INSTRU	LTO							B					02-230	
DH	DEMINERALIZER	M			DIHINX		##	GPM		PSID		GMSF	B					02-042	
DMS	DEMISTER	M			AIRDRY	CD		PSIG		SCFM		DEGF						02-	
CMTR	DEMAND METER	E			INSTRU	IINC	##			APP		AMP						02-295	
COE	DISSOLVED OXYGEN ELEMENT	I			INSTRU	XEN	##						B					02-170	
DOIT	DISSOLVED OXYGEN INDIC TRANS	I			INSTRU	ATI							B					02-230	
DOOR	DOOR	M			PENETR	ZMAN							D					02-115	OT
DP	DISTRIBUTION PANEL	E			CKTBK	K-D	##	120 VAC		DEGF		AMP	B					02-305	
DPC	D PRESS CONTROLLER	I			INSTRU	PCD							B					02-155	
DPE	D RIP PAN ELBOW	M			PIPEXX			IN		PSIG			D					02-080	OT
OPI	D PRESS INDICATOR	I			INSTRU	PID							B					02-175	
OPIC	D PRESS INDICAT CONTROLLER	I			INSTRU	PCI							B					02-155	
CPIR	D PRESS INDICAT RECORDER	I			INSTRU	PR							B					02-205	
CPIS	D PRESS INDICATING SWITCH	I			INSTRU	PSI							B					02-325	
OPIT	D PRESS INDICAT TRANSMITTER	I			INSTRU	PTS							B					02-230	
OPR	D PRESS RECORDER	I			INSTRU	PRD							B					02-205	
OPRC	D PRESS RECORDING CONTROLLER	I			INSTRU	PCR							B					02-205	
OPS	D PRESS SWITCH	I			INSTRU	PSD							B					02-325	
OPT	D PRESS TRANSMITTER	I			INSTRU	PTD							B					02-230	
ORVE	DRIVE	M			CRDRVE	A	##						B					02-065	
OS	DENSITY SWITCH	I			INSTRU	XSB							B					02-325	
OT	DENSITY TRANSMITTER												B					02-230	
OT	DRIVE TURBINE												B					02-125	
OTIS	D TEMP INDICATING SWITCH	I			INSTRU	TSI							B					02-325	
OTRS	D TEMP RECORDING SWITCH	I			INSTRU	TRS							B					02-205	
OTT	D TEMP TRANSMITTER	I			INSTRU	TTO							B					02-230	
OU	DEAERATOR	M			HTKCH		##			PSIG		MBH	C					02-055	
OV	CUMP VALVE	M			VALVEX			IN		PSIG		DEGF	C					02-130	
DVSP	DRAIN VALVE SPV	E			VALVEX	XEX		IN		PSIG		DEGF	B					02-	
DY	DRYER	M			AIRDRY		##	PSIG		SCFM		DEGF	C					02-382	
E/H	ELECTROHYDRAULIC CONVERTER	I			INSTRU	EXN							B					02-165	
E/P	ELECTROHYDRAULIC CONVERTER	I			INSTRU	EY							B					02-165	
E/S	ELECTRONIC POWER SUPPLY	I			INSTRU	XP	XX						B					02-195	
EAH	STAGE AMPLIFIER OR PREAMPL	I			INSTRU	EYF							B					02-177	
ED	DUCTOR	M			PUMPXX	K	##			GPM			C					02-081	0
EPKX	EXCESS FLOW CHECK VALVE	M			VALVEX	CXK	B	IN		PSIG		DEGF	B					02-130	
ENC	ELECTRIC HEATING COIL	E			HEATER	X	##						C					02-290	

COMP CODE	COMPONENT IDENTIFICATION	C	NRD	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C	IE	C/	P	P	SPARE	SAF
		R										L	EE	CR	S	N	PART NO	CLS
EHO	ELECTROHYDRAULIC OPERATOR	M	VALVOP	C	##		LB		FTLB	#	#	B		#			02-304	
EI	VOLTMETER (SEE V FOR B&R USE)	E	INSTRU	E	INCB#												02-295	
EJ	EXPANSION JOINT	M	PIPEXX	X	X		IN		PSIG	#	#	C	#		#	#	02-080	
EJC	EJECTOR, INJECTOR OR EDUCTOR	M	PUMPXX	X	##		FTHO		GPM	#	#	C	#		#	#	02-081	
ELEV	ELEVATOR	E	MECFUN	XX	##		FTLB		RPM	#	RPM	C	#		#	#	02-106	
ELF	EMER LIGHT FIXTURE, CL. 1E*	E	ELECON	XABXX			VAC		#	#							02-	
ELP	EMERGENCY LIGHTING PANEL	E	CKTBKR	X	DAB#		VAC		DEGF		AMP	B		#			02-305	
EMSQ	MEAN SQUARE VOLTAGE DEVICE	I	INSTRU	EYYAF													02-177	
ENG	ENGINE	M	ENGINE	##			HP		CYL		RPM	B					02-060	
EPP	EMERGENCY POWER PANEL	E	CKTBKR	X	DAB#		VAC		DEGF		AMP	B		#			02-305	
EQ	SPECIALITY EQUIP AND TOOLS											C	#		#	#	02-035	
ES	EXHAUST SILENCER	M	PIPEXX	X	#		IN		PSIG	#	#	D	#		#	#	02-080	OT
ESH	ELECTRIC STRIP HEATER	E	HEATER	X####	#		#		#	#	#	C	#		#	#	02-290	
ETD	TRANSOLCER, VOLTAGE	I	INSTRU	EYN	#							B					02-	
EUH	ELECTRIC UNIT HEATER	E	HEATER	X####	#		#		#	#	#	C	#		#	#	02-290	OT
EV	EVAPORATOR	M	HTEXCH	E	#		KSFT		PSIG		HQB	C	#		#	#	02-055	
EX	EXHAUSTER	M	BLOWER	C	A##		SCFM		PSIG		HP	D	#				02-280	
EXC	EXCITER	E	GENERA	X			RPM				KW	B					02-285	
F	FLUKE FILTER	M	FILTER		##				PSID		HICR	C	#		#	#	02-	
FA	FLAME ARRESTOR	M	PIPEXX	X	#		IN		PSIG	#	#	D	#		#	#	02-080	OT
FC	FAN COIL																02-024	
FC	FLOW CONTROLLER																02-155	
FCN	FILL CONNECTION	M	PIPEXX	X	#		IN		#	#	#	D	#		#	#	02-080	OT
FCV	FLOW CONTROL VALVE	M	VALVEX	F	G		IN		PSIG		DEGF	C	#				02-133	
FE	FLOW ELEMENT	I	INSTRU	FENA	#		#	#	#	#	#	B	#		#	#	02-170	
FG	FLOW GLASS	I	INSTRU	FINCC	#		#	#	#	#	#	B	#		#	#	02-175	OT
FGEN	FUNCTION GENERATOR	I	INSTRU														02-177	
FH	FUME HOOD	M	BLOWER	D	##		SCFM		PSIG		HP	D	#				02-024	OT
FI	FLOW INDICATOR	I	INSTRU	FIB	#		#	#	#	#	#	B	#		#	#	02-175	
FIC	FLOW INDICATING CONTROLLER	I	INSTRU	FCI	#		#	#	#	#	#	B	#		#	#	02-155	
FIS	FLOW INDICATING SWITCH	I	INSTRU	FSI	#		#	#	#	#	#	B	#		#	#	02-325	
FIT	FLOW INDICATING TRANSMITTER	I	INSTRU	FTI	#		#	#	#	#	#	B	#		#	#	02-250	
FL	FILTER	M	FILTER		##		SCFM		PSID		HICR	C	#		#	#	02-040	
FLT	FILTER	M	FILTER		##		GPM		PSID		HICR	C	#		#	#	02-040	
FLX	FLEXIBLE CONNECTION	M	PIPEXX	X	#		IN		PSIG	#	#	C	#				02-080	
FN	FAN	M	BLOWER	C	A##		SCFM		PSIG		HP	D	#				02-280	
FO	FREON ACTUATED OPERATOR	M	VALVOP	D	##							B	#				02-304	
FQ	FLOW INTEGRATOR	I	INSTRU	FQH	#							B			#		02-180	
FQI	FLOW INTEGRATING INDICATOR	I	INSTRU	FQQ	#							B			#		02-180	
FQS	FLOW INTEGRATING SWITCH	I	INSTRU	FSQ	#							B	#		#		02-325	
FR	FLOW RECORDER	I	INSTRU	FR#						#	#	B	#		#	#	02-205	
FRC	FLOW RECORDING CONTROLLER	I	INSTRU	FCR	#							B	#		#	#	02-205	
FRCS	FLOW RECORDING CTRL SWITCH	I	INSTRU	FCR	#							B	#		#	#	02-205	
FRS	FLOW RECORDING SWITCH	I	INSTRU	FSR	#							B	#		#	#	02-205	
FS	FLOW SWITCH	I	INSTRU	FS#	#		#	#	#	#	#	B	#				02-325	
FSPV	FLOW CONTRL VLV-SPV	E	VALVEX	XEX			IN		PSIG		DEGF	B				#	02-	
FT	FLOW TRANSMITTER	I	INSTRU	FT#					#		#	B			#	#	02-230	
FTD	TRANSDUCER, FREQUENCY	I	INSTRU	SY#	#							B			#	#	02-	
FU	FILTER UNIT	M	FILTER		##				PSID		HICR	C	#		#	#	02-	
FUB	FUSEBLOCK HOLDER*CL.1E ONLY*	E	CKTBKR	A	##		#		DEGF		AMP						02-	
FUSE	FUSE,*CL.1E ONLY*	E	CKTBKR	AXEX	#		#		DEGF		AMP						02-	
FX	FLOW TEST POINT	I	INSTRU	FX##	#		#	#	#	#	#	C	#		#	#	02-080	OT
GEN	GENERATOR	E	GENERA	D	A		RPM		VAC		KW	B			#	#	02-285	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MASTER EQUIPMENT LIST
COMPONENT TABLE

COMP CODE	COMPONENT IDENTIFICATION	C	NPRD	COMP	ABCEFG	G	UNIT	H	UNIT	J	UNIT	L	IE	C/	P	P	SPARE	SAF
																	PART NO	CLS
EVT	GRAVITY VENTILATOR	H		BLOWER	DXD	##	SCFM					D					02-024	OT
H	HEATER	E		HEATER	X####	#						C					02-290	
HAS	HIGH AMPLITUDE SELECTOR	I		INSTRU	UYH	##						B					02-325	
HC	HEATING COIL	H		HEATER	####	#						C					02-290	
HCU	HYDRAULIC CONTROL UNIT	H		CROOVE	X####	#						B					02-065	
HF	HIGH EFFICIENCY FILTER	H		FILTER	A	##	SCFM				PSID	HICR	B				02-040	
HGR	HANGER, SHUDBER, STRUT & SUPPT	H		SUPORT		#	KIPS										02-	
HO	HYDRAULIC OPERATOR	H		VALVOP	C	##	LB				FTLB		B				02-304	
HOI	HOIST	H		HECFUN	C	##	FTLB				RPM	RPM	C				02-106	
HP	HYDRAULIC POWER UNIT	H		HECFUN	CXO	##	FTLB				RPM	RPM	B				02-065	
HR	HYDROGEN RECOMBINER	H		RECOMB	####	#	BTUH				SCFM	DEGF	B				02-054	
HS	HYDROGEN STATION	H		PIPEXX	X	A	IN				PSIG		D				02-045	OT
HT	HYDRANT	H		VALVEX	FAD		IN						D				02-045	OT
HTP	HOT WATER HEAT EXCHANGER	H		HTEXCH	####	#							C				02-055	OT
HU	HUMIDIFIER	H		HTEXCH	E	#	KSFT				PSIG	H8H	C				02-024	OT
HV	HEATING AND VENTILATION UNIT	H		HTEXCH	GH	#	KSFT					H8H	D				02-024	
HX	HEAT EXCHANGER	H		HTEXCH	BY	#	KSFT				PSIG	H8H	C				02-055	
HZM	FREQUENCY METER	E		INSTRU	SI	CC	HZ				HZ	HZ					02-	
HZR	HYDROGEN RECORDER	I		INSTRU	ARN	#						B					02-235	
I/P	CURRENT/PNEUMATIC CONVERTER	I		INSTRU	IYDC	#						B					02-165	
IL	INDICATOR LIGHT, CL. 1E ONLY*	I		INSTRU	ZINCK		MV		MV								02-	
IN	INVERTER	E		GENERAL	EDANFD	#					VAC	KVA	B				02-185	
IR	INSTRUMENT RACK	E		HECFUN	XAX	#											02-	
ITO	TRANSDUCER CURRENT	I		INSTRU	LYN	#						B					02-	
JI	WATTMETER (SEE W. FOR B&R USE)	E		INSTRU	II	CB					WATT	WATT					02-295	
JP	JET PUMP	H		PUMPXX	K	##	FTHO				GPM		B				02-026	
LA	LIGHTNING ARRESTOR												B				02-	
LAG	ELECTRONIC TIME DELAY	I		INSTRU	UYH	##							B				02-325	
LAS	LOW AMPLITUDE SELECTOR	I		INSTRU	UYH	##							B				02-325	
LC	LEVEL CONTROLLER	I		INSTRU	LC	##							B				02-155	
LCV	LEVEL CONTROL VALVE	H		VALVEX	F	X	IN				PSIG	DEGF	C				02-133	
LE	LEVEL ELEMENT	I		INSTRU	LEN	##							B				02-170	
LG	LEVEL GLASS	I		INSTRU	LI	CC	#						B				02-175	OT
LI	LEVEL INDICATOR	I		INSTRU	LI	##							B				02-175	
LIC	LEVEL INDICATING CONTROLLER	I		INSTRU	LCI	#							B				02-155	
LIS	LEVEL INDICATING SWITCH	I		INSTRU	LSI	#							B				02-325	
LITS	LEVEL INDIC TRANS SWITCH	I		INSTRU	LTS	#							B				02-230	
LMS	LIMIT SWITCH	E		INSTRU	ZSN	##							B				02-325	
LMS	LOCAL MANUAL SWITCH	E		INSTRU	ZSN	##							B				02-325	
LMT	VOLTAGE/CURRENT SIGNAL LIMIT	I		INSTRU	VC	FE							B				02-155	
LOC	LUBE OIL CONDITIONER	H		FILTER	C	##	GPM				PSID	HICR	B				02-075	OT
LP	LIGHTING PANEL	E		CKTBKR	X	DAB	20E				VAC	DEGF	AMP	B			02-305	
LPW	ELECTRONIC POWER SUPPLY (E/S)	I		INSTRU	XP	XX							B				02-195	
LR	LEVEL RECORDER												B				02-205	
LRS	LEVEL RECORDING SWITCH	I		INSTRU	LRS	#							B				02-205	
LS	LEVEL SWITCH	I		INSTRU	LSH	##							B				02-325	
LSPV	LEVEL CONTROL VLV-SPV	E		VALVEX	XEX	#	IN				PSIG	DEGF	B				02-	
LT	LEVEL TRANSMITTER	I		INSTRU	LTH	#							B				02-250	
LTO	TRANSDUCER LEVEL	I		INSTRU	LTE	#							B				02-	
LWS	LOW VOLUME SELECTOR	I		INSTRU	UYH	##							B				02-325	
LX	LEVEL TEST POINT	I		INSTRU	LE	EX	#						B				02-080	
M	MOTOR	E		MOTORX	##	#						RPM	C				02-300	
M/A	MANUAL OR AUTO STATION	I		INSTRU	UC	#							B				02-155	

NEL

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
MASTER COMPONENT LIST
COMPONENT TABLE

DATE 12/09/81 PAGE

COMP CODE	COMPONENT IDENTIFICATION	C	MPRD	ABCEEF	G	UNIT	H	UNIT	J	UNIT	L	IE	C/	P	P	SPARE	SAF
		R	COMP									EE	GR	S	H	PART NO	CLS
MC	MOISTURE CONTROLLER			X							B					02-155	
MC	MOTOR CONTROL CENTER			X							B					02-305	
ME	MOISTURE ELEMENT	I	INSTRU	HE	N						B					02-170	
MI	MOISTURE INDICATOR	I	INSTRU	HI	N						B					02-175	
MIC	MOISTURE INDIC CONTROLLER	I	INSTRU	HCI	N						B					02-155	
MIS	MOISTURE INDICATING SWITCH	I	INSTRU	HSI	N						B					02-325	
MO	MOTOR OPERATOR	E	VALVOP		N	LB		FTLB			C					02-302	
MR	MOISTURE RECORDER	I	INSTRU	HR	N						B					02-205	
MS	MOISTURE SEPARATOR	M	HTEKCH			KSFT		PSIG		MBH	C					02-055	
MT	MOISTURE TRANSMITTER	I	INSTRU	HT	N						B					02-230	
MV/V	M/VOLT TO CURRENT CONVERTER	I	INSTRU	EY	DDN						B					02-165	
MV/P	MILLIVOLT TO PNEUMATIC CONVE	I	INSTRU	EY	N						B					02-165	
HX	PIXER	M	HECFUN		N	FTLB		RPH		RPM	C					02-121	OT
MZ	MULTIZONE AIR CONDITIONER	M	HTEKCH	GH	N	KSFT				MBH	C					02-015	
N	NOZZLE	M	PIPEXX	E	N	IN		PSIG			C					02-080	OT
NR	NEUTRAL GROUNDING RESISTOR	E	ELECON			VAC					B					02-345	
OBC	OCSILLOGRAPH	E	INSTRU	ER							B					02-315	
O2R	OXYGEN RECORDER	I	INSTRU	AR	N						B					02-205	
P	PUMP	M	PUMPXX		N	FTHO		GPM		RPM	C					02-090	
PBU	SEISMIC PLAYBACK UNIT	I	INSTRU													02-205	
PC	PRESSURE CONTROLLER	I	INSTRU	PC	N						B					02-155	
PCV	PRESSURE CONTROL VALVE	M	VALVEX	SH		IN		PSIG		DEGF	C					02-133	
PH	PH ANALYZER	I	INSTRU	AC	N						B					02-150	
FHE	PH ELEMENT	I	INSTRU	PE	N						B					02-170	
PHIC	PH INDICATING CONTROLLER	I	INSTRU	ACI	N						B					02-155	
PHIT	PH INDICATING TRANSMITTER	I	INSTRU	ATI	N						B					02-230	
PHRC	PH RECORDING CONTROLLER	I	INSTRU	ACR	N						B					02-205	
PHI	PH TRANSMITTER	I	INSTRU	AT	N						B					02-230	
PI	PRESSURE INDICATOR	I	INSTRU	PI	N						B					02-175	
PIC	PRESS INDICATING CONTROLLER	I	INSTRU	PCI	N						B					02-155	
PIS	PRESSURE INDICATING SWITCH	I	INSTRU	PSI	N						B					02-325	
POE	POSITION INDICATION ELEMENT	I	INSTRU	E							B					02-175	
POI	POSITION INDICATOR	I	INSTRU	ZI	N						B					02-175	
POS	POSITION SWITCH	I	INSTRU	ZS	N						B					02-325	
POT	POSITION TRANSMITTER	I	INSTRU	ZT	N						B					02-230	
POTR	POTENTIOMETER, CL. IE ONLY	E	ELECON	XXXXXX							B					02-	
PP	PUMP PACKAGE										B					02-090	
PP	POWER PANEL										B					02-305	
PR	PRESSURE RECORDER	I	INSTRU	PR	N						B					02-205	
PROG	PROGRAMMER	I	INSTRU	UYC	N						B					02-	
PRV	PRESSURE REDUCING VALVE	M	VALVEX	FH		IN		PSIG		DEGF	C					02-133	
PS	PRESSURE SWITCH	I	INSTRU	PS	N						B					02-325	
PSV	SOLENOID PILOT VALVE	E	VALVEX	XEX		IN		PSIG		DEGF	B					02-134	
PT	POTENTIAL TRANSFORMER										B					02-345	
PT	PRESSURE TRANSMITTER										B					02-230	
PTD	PRESSURE TRANSDUCER	I	INSTRU								B					02-165	
PUI	PURITY INDICATOR	I	INSTRU	XI	N						B					02-175	
FUIT	PURITY INDIC TRANSMITTER	I	INSTRU	XTI	N						B					02-230	
PUS	PURITY SWITCH	I	INSTRU	XSN	N						B					02-325	
PV	PILOT VALVE	M	VALVEX	X		IN		PSIG		DEGF	C					02-130	
PWC	DEW POINT TRANSMITTER	I	INSTRU	HT	N						B					02-230	
PWS	PIPE WHIP RESTRAINT	N	SUPPORT	I	N	KIPS					D					02-080	
PK	PRESSURE TEST POINT	I	INSTRU	PK	N						C					02-080	OT

A.18

COMP CODE	COMPONENT IDENTIFICATION	C	R	NPRD	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	EE	C/	P	P	SPARE	SAF
																	PART NO	CLS
QDC	QUICK DISCONNECT COUPLING	H		PIPEXX	X	#	IN		PSIG	#	#	D	#				02-	OT
QHM	QUICK TIME METER	E		INSTRU	XINCC		#		#			HR					02-	
QSV	QUICK ACTING SOLENOID PILOT	E		VALVEX	XEX		IN		PSIG			DEGF	B				02-134	
R/I	RESISTANCE/CURRENT CONVERTER	I		INSTRU	YYN	#						B		#			02-165	
RAM	RADIATION AMPLIFIER	I		INSTRU	APN	#						B		#			02-016	
RC	REMOTE CAPPER	I		INSTRU		#											02-325	
RC	RADIATION CONTROLLER					#											02-155	
RC	RECOMBINER					#											02-054	
RD	RUPTURE DISC	H		PIPEXX	#	#	IN		PSIG	#	#	C	#	#	#	#	02-085	
RE	RADIATION ELEMENT	I		INSTRU	REN	#						B		#			02-170	
REL	FLOW BALANCING RELAY	I		INSTRU	UYN	#						B		#			02-355	
RES	RESISTOR, CL. 1E ONLY	E		ELECON	XXXXX												02- R	
RF	REFRIGERATION MACHINE	H		HTEXCH	C	#	KSFT		PSIG			MBH	C	#			02-015	
RI	RADIATION INDICATOR	I		INSTRU	RI#	#	#	#	#	#	#	B	#	#			02-175	
RIS	RADIATION INDICATING SWITCH	I		INSTRU	R	#						B		#			02-325	
RLY	RELAY	E		RELAYX		#			#	#		B		#			02-355	
RMC	REMOTE MANUAL CONTROLLER	I		INSTRU	MCSEX	#	#	#	#	#	#	B		#			02-155	
RMS	REMOTE MANUAL CONTROL SWITCH	E		CKTBK	ECDA				DEGF			AMP	B		#	#	02-325	OT
RO	RESTRICTING ORIFICE	H		PIPEXX	O	#	IN		PSIG	#	#	C	#			#	02-080	
ROD	ROD	H		CONROD	EFBB	#	#	#	#	#	#	B	#	#	#	#	02-026	
RPV	REACTOR PRESSURE VESSEL	H		VESSEL	A	####	#	#	PSIG			DEGF	B	#		#	02-026	
RR	RADIATION RECORDER	I		INSTRU	RRN	#						B		#			02-205	
RS	RADIATION SWITCH	I		INSTRU	RSN	#	#	#	#	#	#	B		#			02-325	
RSA	RESPONSE SPECTRUM ANNUNCIATOR	I		INSTRU	UX	AM											02-251	
RSM	RADIATION SAMPLER	I		INSTRU	RENXX	#	#	#	#	#	#	B	#	#	#	#	02-	OT
RSR	TRIAXIAL RESPONSE SPECTRUM R	I		INSTRU	VR	AM											02-205	
RSRT	TRIA TRANSDUCER FOR RSA	I		INSTRU													02-205	
RST	RESIN TRAP	H		FILTER		#	OPH		PSID			MICR	C	#	#	#	02-100	
RT	RADIATION TRANSMITTER	I		INSTRU	RTN	#						B		#			02-230	
RV	RELIEF VALVE	H		VALVEX	F	B	IN		PSIG			DEGF	C	#			02-085	
RVT	ROOM VENTILATOR	H		BLOWER	O	#	SCFM		PSIG			HP	D	#			02-024	OT
S	ELECTRONIC TRIP UNIT				X	#											02-187	
S	SILENCER				X	#											02-080	
SC	SPEED CONTROLLER	I		INSTRU	SCN	#						B		#			02-155	
SCR	SCREEN	H		FILTER	A	#			PSID			MICR	D	#	#	#	02-100	OT
SE	SPEED ELEMENT	I		INSTRU	SEX	#						B		#			02-170	
SEM	SAFETY EYE WASH	H	#	#####	#	#	#	#	#	#	#	#	#	#	#	#	02-	OT
SH	6.9 KV SWITCH GEAR	E		CKTBK	FACAF		6900	VAC	#	#	2000	AMP	B	#			02-330	
SI	SPEED INDICATOR	I		INSTRU	XT	#	#	#	#	#	#	B	#	#			02-175	
SIOA	SILICON AND OXYGEN ANALYZER	I		INSTRU	AEN	#	#	#	#	#	#	B	#	#			02-150	
SL	180VOLT SWITCH GEAR	E		CKTBK	FACAC		180	VAC	#	#		AMP	B	#			02-330	
SM	4.16KV SWITCH GEAR	E		CKTBK	FACAE		4160	VAC	#	#		AMP	B	#			02-330	
SHA	TRIAXIAL ACCELERATION SENSOR	I		INSTRU	VEIA	AM											02-170	
SMD	SMOKE DETECTOR	I		INSTRU	XSE	#	#	#	#	#	#	B	#	#			02-045	
SMX	STATIC MIXER	H		PIPEXX	X	#	IN		PSIG	#	#	C	#	#	#	#	02-080	OT
SNB	SNUGGER	H		SUPPORT	D	##	KIPS	#	#	#	#	C	#	#			02-080	
SP	SAMPLE POINT	H		PIPEXX	X	#	IN		PSIG	#	#	C	#	#	#	#	02-210	OT
SPV	SOLENOID PILOT VALVE	E		VALVEX	XEX		IN		PSIG			DEGF	B		#	#	02-134	
SQRT	SQUARE ROOT EXTRACTOR	I		INSTRU	UYN	#						B		#			02-165	
SR	SAMPLE RACK	E	#	#####	#	#	#	#	#	#	#	B	#	#	#	#	02-#	#
SS	SELECTOR SWITCH	H		CKTBK	FAD				DEGF			AMP					02-325	
SS	SPEED SWITCH	H		CKTBK	FAB				DEGF			AMP					02-	
ST	STRAINER	I		INSTRU	VEIA	AM											02-100	

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
MASTER COMPONENT LIST
COMPONENT TABLE

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COMP CODE	COMPONENT IDENTIFICATION	C	MPRO	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C	IE	C	P	P	SPARE	SAF
		R	COMP								L	EE	GR	S	N	PART NO	CLS
ST	SEISMIC TRIGGER	I	INSTRU	VEIAH													02-325
SUH	STEAM UNIT HEATER	M	HTEXCH	AH	#	KSFT		PSIG		MBH	C	#				#	02-024 OT
SUM	SUMMER	I	INSTRU	UQH	#						B						02-215
SUMP	SUMP	M	ACCUMU	BX	###			PSIG		DEGF	#						02-120 OT
SV	SOLENOID OPERATED VALVE	E	VALVEX	XE		IN		PSIG		DEGF	B						02-
T	TRAP	M	VALVEX	XFP		IN		PSIG		DEGF	C	#					02-110
T/SS	(TEMP) SELECTOR SWITCH	E	CKTBKR	E DA A				DEGF		AMP	B						02-325
TA	TRIP AUXILIARY UNIT	I	INSTRU														02-177
TAPE	MAGNETIC TAPE UNIT	I	INSTRU	HR#GX	#	222	#	222	#	222							02-035
TBE	TURBIDITY ELEMENT	I	INSTRU	XEH	#						B	#					02-170
TBIT	TURBIDITY INDICATING TRANS	I	INSTRU	XTI	#						B						02-
TBR	TURBIDITY RECORDER	I	INSTRU	KRN	#						B	#					02-205
TBS	TURBIDITY SWITCH	I	INSTRU	XSN	#						B	#					02-325
TBT	TURBIDITY TRANSMITTER	I	INSTRU	XTN	#						B						02-230
TC	TEMPERATURE CONTROLLER	I	INSTRU	CH	#						B	#					02-155
TCV	TEMPERATURE CONTROL VALVE	M	VALVEX			IN		PSIG		DEGF	C	#					02-133
TD	TIME DELAY RELAY																02-395
TD	TRANSFER DOLLY																02-395
TDS	TIME DELAY SWITCH	I	INSTRU	XSK	#						B	#					02-325
TE	TEMPERATURE ELEMENT	I	INSTRU	TE#	#						B						02-170
TI	TEMPERATURE INDICATOR	I	INSTRU	TI#	#						B	#					02-175
TIC	TEMP INDICATING CONTROLLER	I	INSTRU	TCI	#						B	#					02-155
TIS	TEMP INDICATING SWITCH	I	INSTRU	SI	#						B	#					02-325
TK	TANK	M	ACCUMU		###			PSIG		DEGF	C	#					02-120
TH	TIMER	I	INSTRU	XSC	#						B	#					02-225
TQ	TIME TOTALIZER	I	INSTRU	XQN	#						B	#					02-130
TQR	TORQUE RECORDER	I	INSTRU	XRQ	#						B	#					02-205
TQS	TORQUE SWITCH	I	INSTRU	XSQ	#						B	#					02-325
TQT	TORQUE TRANSMITTER	I	INSTRU	XTQ	#						B	#					02-230
TR	TRANSFORMER																02-345
TR	TEMPERATURE RECORDER																02-205
TR	TRIAXIAL RECORDER																02-205
TRB	TERMINAL BLOCK/STRIP*CL.1E*	E	ELECON	AAXXX													02-
TRL	TRANSLATOR	I	INSTRU	EYEE	#	222	00001	VDC	00001	VDC	B	#					02-035
TRS	TEMPERATURE RECORDING SWITCH	I	INSTRU	TSR	#						B	#					02-205
TS	TEMPERATURE SWITCH	I	INSTRU	SN	#						B	#					02-325
TSC	TEMPERATURE SCANNER	I	INSTRU	TT##							B	#					02-150
TT	TEMPERATURE TRANSMITTER	I	INSTRU	TT	#						B	#					02-230
TV	TEST VALVE	I	VALVEX	F		IN		PSIG		DEGF	C	#					02-130
TX	THERMOWELL	I	PIPEXX	F A		IN		PSIG	#		C	#					02- OT
TY	RELAY, PNEUMATIC CONTROL	I	INSTRU	PCNAN													02-
UFM	UNIPLEX FIELD MODULE	I	INSTRU	UYCK	#												02-
V	VALVE	M	VALVEX			IN		PSIG		DEGF	C	#					02-130
V	USE EI FOR MEL(B&R USE ONLY)	M	VALVEX			IN		PSIG		DEGF	C	#					02-130
VARM	VAR METER	E	INSTRU	EI#CB#													02-295
VATD	TRANSOLCER, VAR	E	INSTRU	YM							B	#					02-
VB	VACUUM BREAKER	M	VALVEX			IN		PSIG			C	#					02-085
VBAH	VIBRATION AMPLIFIER	I	INSTRU	VP#	#						B	#					02-
VBE	VIBRATION ELEMENT	I	INSTRU	VER	#						B	#					02-170
VDEC	VIBRATION/ECCENTRICITY INDIC	I	INSTRU	VEN	#						B	#					02-325
VBS	VIBRATION INDICATING SWITCH	I	INSTRU	VSI	#						B	#					02-325
VBS	VIBRATION SWITCH	I	INSTRU	VSW	#						B	#					02-325
VD	VIEWING DEVICE	M	PIPEXX	A	#	IN		PSIG	#		C	#					02-395 OT

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MASTER EQUIPMENT LIST
COMPONENT TABLE

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COMP CODE	COMPONENT IDENTIFICATION	C	NP	RO	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	EE	C/GR	P/S	P/M	SPARE PART NO	SAFE CLS
VX	INSTRUMENT ISOLATION VALVE	M	VALVEX	FAD	B		IN-		PSIG		DEGF	C	#				02-	
VZ	VAPORIZER	M	HTEXCH	E	#		KSFT		PSIG		HEH	C	#				02-055	
W	USE JI FOR MEL(B&R USE ONLY)																02-	
WOR	WIND DIRECTION RECORDER	I	INSTRU	ZR6A	#	00005	VDC	#	ZZZ	00005	VDC						02-035	
WDT	WIND DIRECTION TRANSMITTER	I	INSTRU	ZETE	#	00540	DEG	00001	VDC	00001	VDC						02-035	
WHM	WATT-HOUR METER	E	INSTRU	IQIC	#												02-295	
WSR	WIND SPEED RECORDER	I	INSTRU	SR6A	#	00005	VDC	#	ZZZ	00005	VDC						02-035	
WST	WIND SPEED TRANSMITTER	I	INSTRU	SETAI	#	00090	MPH	00001	VCC	00001	VDC						02-035	
WTD	WATT TRANSDUCER	E	INSTRU	YM													02-	
WUH	WATER UNIT HEATER	M	HTEXCH	A	#		KSFT		PSIG		MBH	C	#				02-055	
X	PRIMARY CONTAINMENT PENETRAT	M	PENETR		#												02-115	
XE	ELEMENT, SPECIAL TYPES	I	INSTRU	E													02-170	
XR	RECORDER, SPECIAL TYPES	I	INSTRU														02-	
XT	TRANSMITTER, SPECIAL TYPES	I	INSTRU														02-230	
33C	VLV TRVL POS SW CLOSED	E	INSTRU	ZSH	#	#	#	#	#	#	#	B	#				02-	
33IC	VLV TRVL POS SW INTER CLOSED	E	INSTRU	ZSH	#	#	#	#	#	#	#	B	#				02-	
33IO	VLV TRVL POS SW INTER OPEN	E	INSTRU	ZSH	#	#	#	#	#	#	#	B	#				02-	
33O	VLV TRVL POS SW OPEN	E	INSTRU	ZSH	#	#	#	#	#	#	#	B	#				02-	
33TC	VLV TRVL POS SW TORQ CLOSED	E	INSTRU	QSH	#	#	#	#	#	#	#	B	#				02-	
33TO	VLV TRVL POS SW TORQ OPEN	E	INSTRU	QSH	#	#	#	#	#	#	#	B	#				02-	
42	ELECTRICAL MOTOR START COIL	E	CKTBRK	D					DEGF		AMP	B	#				02-	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 1

CON LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	DEL. NO.	QID	TEST	ANL	F/C	C	TH	HL
			PLANT LOCATION	ROOM	QS	AGING	DBE	C	HOURS	USE	
71 3 D	E-CP-CAC/HR1A+ POWER SUPPLY	CAC-E/S-1A24	R040 R 572 H.6/6.5	9T66Y987					4320	1 0	
71 3 D	E-CP-CAC/HR1A+	CAC-E/S-1A43	B040 R 572 H.6/6.5	298					4320	1 0	
71 3 D		CAC-E/S-1B24	B040 R 572 H.5/7.0	9T66Y987					4320	1 0	
71 3 D		CAC-E/S-1B43	B040 R 572 H.7/7.2						4320	1 0	
71 2 D	CAC-HR-1A+ 37 KW PREHEATER	CAC-EHC-1A	C332 R 580 H.7/6.6	SA213-T347 S.S. R604	AB	109007	2 1	0 0	4320	09	Y
71 2 D	CAC-HR-1B+ 37 KW PREHEATER	CAC-EHC-1B	C332 R 580 H.7/7.4	SA213-T347 S.S. R604	AB	109007	2 1	0 0	4320	09	Y
71 2 D		CAC-EH0-1A	I206 R 573 H.5/6.6	NH95H2670F3L2 R604	AM	110002	2 1	0 0	4320	33	P N
42A 2 D		CAC-EH0-1A/FCV	I206 R 575 L.9/5.0	NH91 R611	AM	110004	2 1	0 0	4320	09	P Y
71 2 D		CAC-EH0-1B	I206 R 573 H.5/7.4	NH95H2670F3L2 R604	AM	110002	2 1	0 0	4320	33	P N
42A 2 D		CAC-EH0-1B/FCV	I206 R 570 J.8/6.5	NH91J4002F2L18 R509	AM	110004	2 1	0 0	4320	09	P Y
71 2 D		CAC-EH0-2A	I206 R 573 H.5/6.6	NH91H2070F3L2 R604	AM	110004	2 1	0 0	4320	33	P N
42A 2 D		CAC-EH0-2A/FCV	I206 R 558 H.2/7.1	NH91J4002F2218 R504	AM	110004	2 1	0 0	4320	09	P Y

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	AS	AGE	DBE	C	HOURS	ACCURACY		
										USE		
71	CAC-EH0-2B	I206	NH91H2070F362			110004	2 1	0 0		33	P	N
2	D	R 573 M.5/7.4	M554	F4	AM			4320	1 0			
42A	CAC-EH0-2B/FCV	I206	NH91J4002F211B			110004	2 1	0 0		09	P	Y
2	D	R 563 6.5/M.5	M554	G6	AM			4320	1 0			
71	CAC-EH0-3A	I206	NH91H2070F362			110004	2 1	0 0		33	P	N
2	D	R 573 M.5/6.6	M554	012	AM			4320	1 0			
42A	CAC-EH0-3A/FCV	I206	NH91			110004	2 1	0 0		09	P	Y
2	D	R 493 M.8/4.4	M554	011	AM			4320	1 0			
71	CAC-EH0-3B	I206	NH91H2070F362			110004	2 1	0 0		33	P	N
2	D	R 573 M.5/7.4	M554	04	AM			4320	1 0			
42A	CAC-EH0-3B/FCV	I206	NH91J4002F211B			110004	2 1	0 0		09	P	Y
2	D	R 494 J.0/7.4	M554	C6	AM			4320	1 0			
71	CAC-EH0-4A	I206	NH92H9970F3129			110001	2 1	0 0		33	P	N
2	D	R 573 M.5/6.6	M554	012	AM			4320	1 0			
42A	CAC-EH0-4A/FCV	I206	NH91J4002F211B			110004	2 1	0 0		09	P	Y
2	D	R 495 8.2/M.6	M554	E11	AM			4320	1 0			
71	CAC-EH0-4B	I206	NH92			110001	2 1	0 0		33	P	N
2	D	R 573 M.5/7.4	M554	04	AM			4320	1 0			
42A	CAC-EH0-4B/FCV	I206	NH91J4002F211B			110004	2 1	0 0		09	P	Y
2	D	R 493 M.4/6.0	M554	E6	AM			4320	1 0			
71	CAC-EH0-5A/FCV	I206	NH91H4070F3116			110004	2 1	0 0		09	P	Y
2	D	R 572 M.6/6.5	M554	F14	AM			4320	1 0			
71	CAC-EH0-5B/FCV	I206	NH91H4070F3216			110004	2 1	0 0		09	P	Y
2	D	R 573 M.5/7.5	M554	F2	AM			4320	1 0			

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COMP	SF	EQUIPMENT NO.	MFG	MODEL NO.	QID	TEST	AGE	P/O	C	TH	HL
CC	FUNCTION	DESCRIPTION	PLANT LOCATION	DRAWING	ROOM	AGE	DEF	HOURS	USE	ACCURACY	
71 2 D		CAC-EHG-6A/FCV	I206	NH92		110001	2 1	0 0		09	P Y
		R 572 M.6/6.5		M554 G12	AM			4320	1 0		
71 2 D		CAC-EHO-6B/FCV	I206	NH91H4070F3216		110004	2 1	0 0		09	P Y
		R 573 M.5/7.5		M554 G4	AM			4320	1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-FIC-67A	B045	50-701003AAAA1		139001	2 1	0 0		09	F Y
	FIC FOR CAC-FCV-6A	R 572 M5/6.6		R604 F12	AT			4320	1 0		
71 3 D	E-CP-CAC/HR1B+	CAC-FIC-67B	B015	50-701003AAAA1		139001	2 1	0 0		09	F Y
	FIC FOR CAC-FCV-6B	R 577 M.5/8.0		R604 F4	AT			4320	1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-FS-6A	M422	DCA/4-20MA/D-X2-X3		154002	2 1	0 0		09	F Y
	FLOW SWITCH FOR CAC-FCV-6A	R 576 M.2/5.7		R604 F12	AN			4320	1 0		
71 3 D	E-CP-CAC/HR1B+	CAC-FS-6B	M422	DCA/4-20MA/DX2		154002	2 1	0 0		09	F Y
	FLOW SWITCH FOR CAC-FCV-6B	R 576 M.5/8.0		R604 F4	AN			4320	1 0		
220 3 D	E-IR-67+	CAC-FT-1A	R369	1DP5D22T0003PB		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-1A	R 555 5.8/M.8		M554 J11	RA			4320	1 0		
220 3 D	E-IR-68+	CAC-FT-1B	R369	1CP5D22T0003PB		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-1B	R 551 8.2/H.7		M554 J5	RA			4320	1 0		
220 3 D	E-IR-67+	CAC-FT-2A	R369	1CP5D22T0003PB		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-2A	R 555 5.8/M.8		M554 G11	RA			4320	1 0		
220 3 D	E-IR-68+	CAC-FT-2B	R369	1DP5D22T0003PB		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-2B	R 551 8.2/H.7		M554 G5	RA			4320	1 0		
220 3 D	E-IR-66+	CAC-FT-3A	G080	542203		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-3A	R 501 N.8/5.5		M554 O11	RA			4320	1 0		
220 3 D	E-IR-63+	CAC-FT-3B	R369	115-10PSD22T0003PB		156002	1 4	0 0		33+	N
	FT TO CAC-FIC-3B	R 501 L4/2.3		M554 O5	RA			4320	1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO. PLANT LOCATION DRAWING	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC				ROOM	QS	AGEING	DBE	C	HOURS	ACCURACY	USE	
220 3	D	E-IR-66+	CAC-FT-4A	R369	115-16P5022T0003PB	156002	1 4	0 0		33+		N
		FT TO CAC-FIC-4A	R 501 N8/5.5	M554 F11	RA			4320		1 0		
220 3	D	E-IR-64+	CAC-FT-4B	R369	1151-DPS022T0003PB	156005	1 4	0 0		33+		N
		FT TO CAC-FIC-4B	R 501 N.6/5.1	M554 F5	RA			4320		1 0		
71 3	G	CAC-HR-1A+	CAC-FT-5A	R080	386	156004	2 1	0 0		09	F	N
		0-50 IN H20	0-50 IN H20	R 578 M.5/6.6	M554 F14	R604 YA		4320		2 0		
71 3	G	CAC-HR-1B+	CAC-FT-5B	R080	386	156004	2 1	0 0		09	F	N
		0-50 IN H20	0-50 IN H20	R 578 M.5/7.4	M554 F2	R604 YA		4320		2 0		
71 3	D	CAC-HR-1A+	CAC-FT-6A	I204	386	156004	2 1	0 0		09	F	Y
		FT TO CAC-FC-67A	R 575 M.5/6.6	M554 F12	R604 AA			4320		1 0		
71 3	D	CAC-HR-1B+	CAC-FT-6B	I204	386	156004	2 1	0 0		09	F	Y
		FT TO CAC-FC-67B	R 575 M.5/7.4	M554 F4	R604 AA			4320		1 0		
71 3	D	CAC-HR-1A+	CAC-FT-7A	I204	386	156004	2 1	0 0		09	F	Y
		FT TO CAC-FIC-67A	R 576 M.5/6.6	M554 F12	R604 AA			4320		1 0		
71 3	D	CAC-HR-1B+	CAC-FT-7B	I204	386	156004	2 1	0 0		09	F	Y
		FT TO CAC-FIC-67B	R 576 M.5/7.4	M554 F4	R604 AA			4320		1 0		
71 3	D	E-CP-CAC/HR1A+	CAC-LS-1A	M422	DCA/4-20MA/0-X1-X4	207009	2 1	0 0		09	F	Y
		LEVEL IND. SWITCH IN CAC-MS-1A	R 578 M.2/5.7	M554 D14	R604 AN			4320		1 0		
71 3	D	E-CP-CAC/HR1B+	CAC-LS-1B	M422	DCA/4-20MA/X1	207009	2 1	0 0		09	F	Y
		LEVEL IND. SWITCH IN CAC-MS-1B	R 578 M.5/8.0	M554 D3	R604 AN			4320		1 0		
71 3	D	CAC-HR-1A+	CAC-LT-1A	I204	386	209002	2 1	0 0		09	F	Y
		0-50 IN H20	0-50 IN H20	R 574 M.5/6.6	M554 D13	R604 AA		4320		1 0		
71 3	D	CAC-HR-1B+	CAC-LT-1B	I204	386	209002	2 1	0 0		09	F	Y
		0-50 IN H20	0-50 IN H20	R 574 M.5/7.4	M554 D3	R604 AA		4320		1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO OS	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING		AGING			USE			
71 2	CAC-MR-1A+ 25HP/1A MOTOR FOR CAC-FN-1A	CAC-M-1A	M120 R 572 M5/6.6	75042473 M554 E13	R604 AA	213048	2 1	0 0	4320	09		Y
71 2	CAC-MR-1B+ 25HP/1A MOTOR FOR CAC-FN-1B	CAC-M-1B	M120 R 572 M5/7.4	75042473 M554 E3	R604 AA	213048	2 1	0 0	4320	09		Y
41A 2	CAC-MO-11		L200 R 563 M.5/7.5	SPB-000-5/D56A R511	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-13		L200 R 487 M.0/6.0	SPB-000-5/D56A M554 E6	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-15		L200 R 570 J.8/6.8	SPB-000-5/D56A M554 H7	AA	221011	1 4	0 0	4320	35		Y
41A 2	CAC-MO-17		L200 R 494 J.0/7.4	SPB-000-5/D56A M554 C7	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-2		L200 R 558 M.2/7.1	SPB-000-5/D56A M554 F10	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-4		L200 R 495 M.2/7.8	SPB-000-5/D56A M554 F10	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-6		L200 R 575 L.9/5.0	SPB-000-5/D56A M554 H9	AA	221011	1 4	0 0	4320	35		N
41A 2	CAC-MO-8		L200 R 480 M.9/4.3	SPB-000-5/D56A M554 C10	AA	221011	1 4	0 0	4320	35		N
71 3	CAC-PT-68A+ PS TO MOIST SEP 1A	CAC-PS-68A	M422 R 576 M.2/5.7	DCA/4-20MA/D-X2-X3 M554 E13	R604 AN	256012	2 1	0 0	4320	09	F	Y
71 3	CAC-PT-68B+ PS TO MOIST SEP 1B FROM COULER	CAC-PS-68B	M422 R 577 M.5/8.0	DCA/4-20MA/DX2/X3 M554 E3	R604 AN	256012	2 1	0 0	4320	09	F	Y

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	OS	AGING	PRE	C	HOURS	ACCURACY	USE	
71 3 G	CAC-HR-1A+	CAC-PT-1A	1204	386		259006						F
	0-30 PSIG FOR CAC-FN-1A	R 572 M.5/6.6			AA				4320	2 0		
71 3 G	CAC-HR-1B+	CAC-PT-1B	1204	386		259006						F
	0-30 PSIG FOR CAC-FN-1B	R 575 M.5/7.4			AA				4320	2 0		
71 3 D	CAC-HR-1A+	CAC-PT-68A	1204	386		259006						
	PRESS TRANS ON CAC-MS-1A	R 572 M.5/6.6			A				4320	1 0		
71 3 D	CAC-HR-1B+	CAC-PT-68B	1204	386		259006						
	PRESS TRANS ON CAC-MS-1B	R 572 M.5/7.4			A				4320	1 0		
71 3 D	CAC-HR-1A	CAC-R/I-4A	B015	50-740320CAAA1		271001						F
	CURRENT RESET ON CAC-HR-1A	R 577 M.2/5.7			T				4320	1 0		
71 3 D	E-CP-CAC/HR1B+	CAC-R/I-4B	B015	50-740320CAAA1		271001						
	H2 RECOMBINER OUTLET TEMP	R 572 M.5/8.0			R604	BT			4320	1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-CR5A	A109									
	RELAY	R 572 M.6/6.5			M				4320	1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-CR6A	A109									
	RELAY	R 572 M.6/6.5			M				4320	1 0		
71 3	E-CP-CAC/HR1B+	CAC-RLY-CR6B	A109									
	RELAY	R 572 M.4/8.0			M				4320	1 0		
218 3 D	CAC-PP-TB/R364+	CAC-RLY-1A	A500	RA225-052-CP		283011						
	CONTROL RELAY FOR CAC-FCV-1A	R 475 M.1/9.3			R206	RM			4320	1 0		
218 3 D	CAC-PP-TB/R363+	CAC-RLY-1B	A500	RA225-052-CP		283011						
	CONTROL RELAY FOR CAC-FCV-1B	R 475 M.0/8.3			R206	RM			4320	1 0		
218 3 D	CAC-PP-TB/R364+	CAC-RLY-2A	A500	RA225-052-CP		283011						
	CONTROL RELAY FOR CAC-FCV-2A	R 475 M.1/9.3			R206	RM			4320	1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID US	TEST AGE	ANL HOURS	F/O C	FREQ ACCURACY	TH HL
EC				DRAWING					USE	
218 3 D	CAC-PP-TB/R363+	CAC-RLY-2B	A500 R 475 N.0/8.3	RA225-052-CP E519/15H4	283011 R305 RM		4320		1.0	
218 3 D	CAC-PP-TB/R364+	CAC-RLY-3A	A500 R 475 N.1/9.3	RA225-052-CP E519/15H4	283011 R206 RM		4320		1.0	
218 3 D	CAC-PP-TB/R363+	CAC-RLY-3B	A500 R 475 N.1/9.3	RA225-052-CP E519/15H4	283011 R206 RM		4320		1.0	
218 3 D	CAC-PP-TB/R364+	CAC-RLY-4A	A500 R 475 N.1/9.3	RA225-052-CP E519/15H4	283011 R206 RM		4320		1.0	
218 3 D	CAC-PP-TB/R363+	CAC-RLY-4B	A500 R 475 N.0/8.3	RA225-052-CP E545/12	283011 R206 RM		4320		1.0	
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-4A/1234	A500 R 475 N.1/9.3	RA225-052CP E519/13/15	283011 R604 AB	2 1 0.0	4320		09	Y
218 3 D	CAC-PP-TB/R363+	CAC-RLY-4B	A500 R 475 N.0/8.3	RA225-052-CP E545/12	283011 R206 RM		4320		1.0	
71 3 D	E-CP-CAC/HR1B+	CAC-RLY-4B/1234	A500 R 475 N.0/8.3	RA225-052CP E519/13/15	283011 R604 AB	2 1 0.0	4320		09	Y
3 D	E-CP-CAC/HR1A+	CAC-TDS-1A	A109 R 574 P2/5.7	7012AH	338002 XA		4320		1.0	
3 D	E-CP-CAC/HR1B+	CAC-TDS-1B	A109 R 574 M5/8.0	7012AH	338002 A		4320		1.0	
71 2 D	CAC-HR-1A+	CAC-TE-1A	T165 R 577 M.5/6.6	80500 M554 E13	339006 R604 AB	2 1 0.0	4320		09	F Y
71 2 6	CAC-HR-1A+	CAC-TE-1A1	T165 R 580 M.5/6.6	80500 M554 E13	339006 R604 AB	2 1 0.0	4320		09	F Y
		INPUT TO TEMP RECORDER 1A							2.0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WHP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DRE	ANL C	F70 HOURS	C C	FREQ ACCURACY	TH	HL
									USE			
71 2	G	CAC-CR-1A+ CAC-TE-1A2	R 576 M.3/6.4	M554 E15	AB	2 1	0 0	4320			F	Y
		TEMPERATURE ELEMENT ON CAC-EHC-1A						2 0				
71 2	G	CAC-CR-1A+ CAC-TE-1A3	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
		TEMP ELEMENT ON CAC-EHC-1A						2 0				
71 2	G	CAC-CR-1A+ CAC-TE-1A4	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
		TEMP ELEMENT ON CAC-EHC-1A						2 0				
71 2	G	CAC-CR-1A+ CAC-TE-1A5	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
		TEMP ELEMENT ON CAC-EHC-1A						2 0				
71 2	G	CAC-CR-1A+ CAC-TE-1A6	T165 R 573 M.3/6.4	P0-004-1371-109 M554 D14	AB	339018	2 1	0 0	4320		F	Y
		TEMP ELEMENT ON CAC-EHC-1A						2 0				
71 2	G	CAC-CR-1A+ CAC-TE-1A7	T165 R 573 M.3/6.4	P0-004-1371-109 M554 D14	AB	339018	2 1	0 0	4320		F	Y
		TEMP ELEMET ON OUTLT OF CAC-EHC-1A						2 0				
71 2	D	CAC-HR-1B+ CAC-TE-1B	T165 R 577 M.5/7.4	P0-004-1371-109 M554 E3	AB	339018	2 1	0 0	4320	09	F	Y
		TEMP ELEMENT DISCH FROM CAC-FN-1B						1 0				
71 2	G	CAC-HR-1B+ CAC-TE-1B1	T165 R 580 M.5/7.4	80500 M554 E3	R604 AB	339006	2 1	0 0	4320	09	F	Y
		INPUT TO TEMP RECORDER 1B						2 0				
71 2	G	CAC-CR-1B+ CAC-TE-1B2	T165 R 576 M.3/7.2	M554 E3	AB		2 1	0 0	4320		F	Y
		TEMP ELEMENT ON CAC-EHC-1B						2 0				
71 2	G	CAC-CR-1B+ CAC-TE-1B3	T165 R 576 M.3/7.2	M554 D2	AB		2 1	0 0	4320		F	Y
		TEMP ELEMENT ON CAC-EHC-1B						2 0				
71 2	G	CAC-CR-1B+ CAC-TE-1B4	T165 R 576 M.3/7.2	M554 D2	AB		2 1	0 0	4320		F	Y
		TEMP ELEMENT ON CAC-EHC-1B						2 0				
71 2	G	CAC-CR-1B+ CAC-TE-1B5	T165 R 576 M.3/7.2	M554 D2	AB		2 1	0 0	4320		F	Y
		TEMP ELEMENT ON CAC-EHC-1B						2 0				

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	FZO HOURS	C USE	FREQ ACCURACY	TH Y	HL Y
71 2 G	CAC-CR-1B+	CAC-TE-1B6	T165 R 573 M.5/7.2	PO-004-137-109 M554 D2	339018 AB	2 1	0 0	4320	2 0		F	Y
		TEMP ELEMENT ON CAC-EHC-1B										
71 2 G	CAC-CR-1B+	CAC-TE-1B7	T165 R 573 M.5/7.2	PO-004-137-109 M554 D2	339018 AB	2 1	0 0	4320	2 0		F	Y
		TEMP ELEMENT ON CAC-EHC-1B										
71 2 D	CAC-HR-1A+	CAC-TE-2A	T165 R 582 M.5/6.6	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1A HI TEMP ALARM		M554 E13					1 0			
71 2 D	CAC-HR-1B+	CAC-TE-2B	T165 R 582 M.5/7.4	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1B HI TEMP ALARM		M554 E2					1 0			
71 2 D	CAC-HR-1A+	CAC-TE-3A	T165 R 577 M.5/6.6	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1A HI TEMP ALARM		M554 E14					1 0			
71 2 D	CAC-HR-1B+	CAC-TE-3B	T165 R 577 M.5/7.4	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1B HI TEMP ALARM		M554 E2					1 0			
71 2 D	CAC-HR-1A+	CAC-TE-4A	T165 R 578 M.5/6.6	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		TEMP ELEMENT DISCH FROM CAC-MS-1B		M554 E14					1 0			
71 2 D	CAC-HR-4B+	CAC-TE-4B	T165 R 578 M.5/7.4	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		TEMP ELEMENT DISCH FROM CAC-MS-1B		M554 E4					1 0			
71 2 D	CAC-HR-1A+	CAC-TE-5A	T165 R 577 M.5/6.6	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1A HI TEMP SHUTDOWN		M554 D13					1 0			
71 2 D	CAC-HR-1B+	CAC-TE-5B	T165 R 577 M.5/7.4	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		PREHEATER 1B HI TEMP SHUTDOWN		M554 D2					1 0			
71 2 D	CAC-HR-1A+	CAC-TE-6A	T165 R 578 M.5/6.6	80500 R604 AB	339006 AB	2 1	0 0	4320	09		F	Y
		MOISTURE SEPTR 1A HI TEMP SHUTDOWN		M554 E13					1 0			
71 2 D	CAC-HR-1B+	CAC-TE-6B	T165 R 578 M.5/7.4	80500 R604 AB	339006 AB	2 1	0 0	4320	09		Y	
		MOISTURE SEPTR 1B HI TEMP SHUTDOWN		M554 E13					1 0			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFQ PLANT LOCATION	HFQ MODEL NO. DRAWING	Q1 AGING	TEST DBE	ARL C	F/C HOURS	C ACCURACY	FREQ TM	HL
71	E-CP-CAC/HR1A+	CAC-TIC-4A	B045	50-701003AAAA1	341001	2 1	0 0		09		Y
3	D	TEMP CNTL DISCH CAC-MS-1A	R 575 M5/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TIC-4B	B015	50-701003AAAA1	341001	2 1	0 0		09		Y
3	D	TEMP CNTL DISCH CAC-MS-1B	R 572 M.5/8.0	M554 E4	R604 AN			4320	1 0		
71	E-CP-CAC/HR1A+	CAC-TS-1A	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	TEMP SWITCH DISCH CAC-FN-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TS-1B	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	TEMP SWITCH DISCH CAC-FN-1B	R 575 M.5/8.0	M554 E3	R604 AN			4320	1 0		
71	E-CP-CAC/HR1A+	CAC-TS-2A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	0-1500F ON CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TS-2B	M422	RBA/3W-400/DX1/X4	355007	2 1	0 0		09	F	Y
3	D	0-1500F ON CAC-EHC-1B	R 577 M.5/8.0	M554 E2	R604 AN			4320	1 0		
71	E-CP-CAC/HR1A+	CAC-TS-3A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	0-1200F ON CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TS-3B	M422	RBA/3W-400/DX1/X4	355007	2 1	0 0		09	F	Y
3	D	0-1200F ON CAC-EHC-1B	R 575 M.5/8.0	M554 E2	R604 AN			4320	1 0		
71	E-CP-CAC/HR1A+	CAC-TS-5A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	0-1500F DISCH CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TS-5B	M422	RBA/3W-400/D-X1/X4	355007	2 1	0 0		09	F	Y
3	D	E-CP-CAC/HR1B+	R 575 M.5/8.0	M554 D2	R604 AN			4320	1 0		
71	E-CP-CAC/HR1A+	CAC-TS-6A	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0		09	F	Y
3	D	0-340F DISCH CAC-MS-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320	1 0		
71	E-CP-CAC/HR1B+	CAC-TS-6B	M422	RBA/3W-100/DX1/X4	355007	2 1	0 0		09	F	Y
3	D	0-340F DISCH CAC-MS-1B	R 575 M.5/8.0	M554 E4	R604 AN			4320	1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF01 PLANT LOCATION	HEB MODEL NO. DRAWING	Q10 ROOM	TEST AGEING	ANL C	F70 HOURS	C C	FREQ ACCURACY	TH HL
71	EC	CAC-HR-1A+	CAC-TT-4A	B045 TYPE 740	357001	2 1	0 0			09	F Y
3 D		TEMP TRANS DISCH CAC-HS-1A	R 575 H.0/5.8	M547 E13				4320		1 0	
71		CAC-HR-1B+	CAC-TT-4B	B045 B045 TYPE 740	357001			4320			F
3 D		TEMP TRANS DISCH CAC-HS-1B	R 575 H.5/8.0	M544 F4						1 0	
68		CEP-V-1A+	CEP-LMS-1A	N007 1703100	200005			4320			
2 B1,F		LMS FOR CEP-V-1A	R 563 6.5/2.0	J13						2 3	
68		CEP-V-1B+	CEP-LMS-1B	N007 1703100	200005			4320			
2 B1,F		LMS FOR CEP-V-1B	R 563 6.5/2.0	J13						2 3	
68		CEP-V-2A+	CEP-LMS-2A	N007 1703100	200005			4320			
2 B1,F		LMS FOR CEP-V-2A	R 563 6.5/2.0	J13						2 3	
68		CEP-V-2B+	CEP-LMS-2B	N007 1703100	200005			4320			
2 B1,F		LMS FOR CEP-V-2B	R 563 6.5/2.0	J13						2 3	
68		CEP-V-3A+	CEP-LMS-3A	N007 74080100	200010			4320			
2 B1,F		LMS FOR CEP-V-3A	R 471 H.4/6.4	M543 C14						2 3	
68		CEP-V-3B+	CEP-LMS-3B	N007 74080100	200010			4320			
2 B1,F		LMS FOR CEP-V-3B	R 495 H.5/5.4	C14						2 3	
68		CEP-V-4A+	CEP-LMS-4A	N007 74080100	200010			4320			
2 B1,F		LMS FOR CEP-V-4A	R 495 H.5/5.4	M543 C14						2 3	
68		CEP-V-4B+	CEP-LMS-4B	N007 74080100	200010			4320			
2 B1,F		LMS FOR CEP-V-4B	R 495 H.5/5.4	M543 C14						2 3	
215		CIA-V-20+	CIA-MO-20	L200 SFB-000-5/P48	221011	1 4				33	P N
2 R1		MOTOR OPERATOR CIA-V-20	R 525 J.3/7.0	M556 J6				24		1 0	
215		CIA-V-30A+	CIA-MO-30A	L20C SFB-000-5/P48	221011	1 4				33	N
2 B1		1HP MOTOR OPERATOR CIA-V-30A	R 545 J.8/4.7	M556 H6				24		1 0	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MEG PLANT LOCATION	MEG MODEL NO. DRAWING	QID AGEING	TEST DHE	ANL C	F/O HOURS	C FREQUENCY	TH ACCURACY	HL
215 2 B1	CIA-V-30B+	CIA-MQ-30B	1200	SMR-000-5/P4A	221011	1 A			33	P	N
	1HP MOTOR OPERATOR	CIA-V-30B	R 545 M45/648	M556 F6				24	1.0		
58 2 G	E-IR-67+	CIA-PS-21A	1204	0288	256007	2 5	0.0		33+	F	N
	DIV.1 CIA N2 HDR PRESSURE	IR-67	R 557 618/M.8	M556 J6				4320	2.3		
58 2 G	E-IR-68+	CIA-PS-21B	8080	088A	256007	1 A	0.0		08		N
	DIV.2 CIA N2 HDR PRESSURE	IR-68	R 548 H7/8.1	M556 F6				4320	2.3		
220 2 G	E-IR-67+	CIA-PS-22A	R 548	M556 H1				4320	2.3		
	REMOTE LOCAL PS										
220 2 G		CIA-PS-29	R 522	M556 K07				4320	2.0		
	PRESS SWITCH CONTAINMENT SUPPLY										
58 2 G	E-IR-71+	CIA-PS-39A	M239	DAV7023-804	256011	2 5	0.0		33+	F	N
	CIA CROSSTIE TO CN BACKUP	IR-71	R 523 H28/7.10	M556 J7				4320	2.3		
58 2 G	E-IR-74+	CIA-PS-39B	M235	DAV-7023-804-R85	256011	2 5	0.0		33+		N
	CIA CROSSTIE TO CN BACKUP	IR-74	R 525 H47/7.1	M556 J7				4320	2.3		
59 2 G	E-IR-71+	CIA-PT-20	6080	712203	259004			4320	2.0		
	PT DOWNSTREAM OF CIA-AR-1		R 522 J/6.7	M556 K09							
59 2 G	E-IR-67+	CIA-PT-21A	R369	GP7A22T0003PB	259004			4320			
	CIA HEADER PRESS. IR-67		R 548 H.8/5.67	M556 J6					2.3		
59 2 G	E-IR-68+	CIA-PT-21B	6080	GP7A22T000PB	259004			4320			
	CIA HEADER PRESS. IR-68		R 550 H.7/8.2	M556 F6					2.3		
215 2 U1		CIA-SPV-1A	M090	HV229HQ-S2	315009			4320	1.0		
	0.5" SCL PILOT ON N2 BOTTLE DISCH		R 440 N/4.3	M556 G8							
215 2 B1		CIA-SPV-1B	M090	HV229HQ-S2	315009			4320			
	0.5" SOLENOID PILOT VALVE		R 440 N/7	M556 F8					1.0		

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CONTRACT LV.	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID AGTNG	TEST DRE	ANL C	F/D HOURS	C FREQ	TH ACCURACY	HL
215		CIA-SPV-10A	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-10B	M090	MV229HQ-S2	315009						
2	R1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556 FA	R105 TT			4320		1 0	
215		CIA-SPV-11A	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-11B	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556 F8	R105 TT			4320		1 0	
215		CIA-SPV-12A	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-12B	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556 F8	R105 TT			4320		1 0	
215		CIA-SPV-13A	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-13B	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556 FA	R105 TT			4320		1 0	
215		CIA-SPV-14A	M090	MV229HQ-S2	315009						
2	B1	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-14B	M090	MV229HQ-S2	315009						
2	B1	0.5" SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	
215		CIA-SPV-15A	M090	MV229HQ-S2	315009						
2	B1	0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 68	R105 TT			4320		1 0	
215		CIA-SPV-15B	M090	MV229HQ-S2	315009						
2	B1	0.5" SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DIE	ANL O	F70 HOURS	C C	FREQ ACCURACY	TH HL
										USE	
215	2 B1	CIA-SPV-16B	M090	MV229MQ-S2	315009						
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-17B	M090	MV229MQ-S2	315009						
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-18B	M090	MV229MQ-S2	315009						
		0.5" SOL PILOT ON N2 BOTTLE DISCH.	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-19B	M090	MV229MQ-S2	315009						
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-2A	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 G8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-2B	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-3A	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 G8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-3B	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-4A	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 G8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-4B	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-5A	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 G8	R105 TT			4320		1 0	
215	2 B1	CIA-SPV-5B	M090	MV229MQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8	R105 TT			4320		1 0	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	Q10 ASING	TEST OBE	ANL C	F/G HOURS	C USE	FREQ ACCURACY	IN HL
215 2 B1		CIA-SPV-6A	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-6B	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-7A	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-7B	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-8A	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-8B	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-9A	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SPV-9B	M090	MV229HQ-S2	315009						
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8 R105 TT				4320	1 0		
215 2 B1		CIA-SV-39A	M090	MV229MS-S2							
		.5" SOL. AIR TIE TO N2 HDR	R 540 K.0/4.3	M556 H7 TT				4320	1 0		
215 2 B1		CIA-SV-39B	M090	MV229MS-S2							
		.5" SOL. AIR TIE TO N2 HDR	R 540 M.8/7.7	M556 F7 TT				4320	1 0		
92B 2 I	S-SR-13+	CMS-AY-1	B135	7C(H2)AND 755(02)	025002						
	H2O2 ANALYZER	SR-13	R 548 M6/4.5	M543 E6 PP				4320	1 3		
92B 2 I	S-SR-14+	CMS-AY-2	B135	7C(H2)AND 755 (02)	025002						
	H2O2 ANALYZER		R 548 M6/4.5	M543 H14 PP				4320	1 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	REG. PLANT LOCATION	REG. MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F/C HOURS	C C	FREQ ACCURACY	TH	HL
				DRAWING				USE				
59	2	I	CMS-LT-1	R 465 J45/4.3	M040	TSI-IX-MFG-M14HY	209007	1 4	0 0	50		N
			SUPPRES. CHAMBER WTR LEVEL MONIT. IR	M543	B1A	R204	BM	24		1 3		
59	2	I	CMS-LT-2	R 465 M.2/7.7	R369	10P4022T003PB	209077	1 4	0 0	50		N
			SUPPRES CHAMBER WTR LEVEL MONIT IR	M543	B6	R214	BB	24		1 3		
220	2	I	CMS-ME-1	R 536 190 D AZ	P047	M2R	PP	24		1 3		
			ME FOR DRYWELL	M543	E13							
220	2	I	CMS-ME-2	R 536 195 D AZ	P047	M2R	PP	24		1 3		
			ME FOR DRYWELL	M543	F7							
220	2	I	CMS-ME-3	R 536 195 D AZ	P047	M2R	PP	24		1 3		
			ME FOR DRYWELL	M543	E7							
220	2	I	CMS-ME-4	R 536 190 D AZ	P047	M2R	PP	24		1 3		
			ME FOR DRYWELL	M543	E13							
220	2	I	CMS-ME-5	R 536 45 D AZ	P047	M2R	PP	24		1 3		
			ME FOR DRYWELL	M543	E7							
220	3	I	CMS-MT-1	R 536	P047	600	P	24		1 3		
			MT FOR DRYWELL	M543	E13							
220	3	I	CMS-MT-2	R 536	P047	600	P	24		1 3		
			MT FOR DRYWELL	M543	F7							
220	3	I	CMS-MT-3	R 536	P047	600	P	24		1 3		
			MT FOR DRYWELL	M543	E7							
220	3	I	CMS-MT-4	R 536	P047	600	P	24		1 3		
			MT FOR DRYWELL	M543	E13							
220	3	I	CMS-MT-5	R 536	P047	600	P	24		1 3		
			MT FOR DRYWELL	M543	E7							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	AS	AGE	DEF	HOURS	ACCURACY			
58 2 I	E-IR-67+ CONTAINMENT PRESS. MONITORING IR-6	CMS-PT-1 R 555 5.8/H.6	R369	1151G7A22MBGE3	259003	1 4	0 0	4320	07	R	N	
				M543 F13	AB				1 3			
58 2 I	E-IR-68+ CONTAINMENT PRESS. MONITORING IR-68	CMS-PT-2 R 551 8.2/H.7	R369	1151G7A22MBGE	259003	1 4	0 0	4320	07	R	N	
				M543 07	AB				1 3			
59 2 I	E-IR-68+ PRIMARY CCNT. PRESS.	CMS-PT-2R R 550 H.7/H.2	R369	163C1564P442203	259010			4320	2 0			
				M543 67	AB							
59 2 I	E-IR-66+ SUPPRES. CHAMB. PRESS. MONITOR IR-66	CMS-PT-3 R 501 H.0/5.1	R369	1151G7A22MBGE3	259003	1 4		4320	07	R	N	
				M543 C15	AB				1 0			
59 2 I	E-IR-63+ SUPPRES. CHAMB. PRESS. MONITOR IR-63	CMS-PT-4 R 501 L.4/9.3	R369	1151G7A227BGE3	259003	1 4		4320	07	R	N	
				M543 R6	AB				1 0			
59 2 I	E-IR-67+ CONTAINMENT PRESS. MONITORING IR-67	CMS-PT-5 R 555 5.8/H.6	R369	1151G7A22MBGE3	259003	1 4		4320	07	R	N	
				M543 G13	AB				1 3			
59 2 I	E-IR-68+ CONTAINMENT PRESS. MONITORING IR-68	CMS-PT-6 R 551 8.2/H.7	R369	1151G7A22MBGE3	259003	1 4		4320	07	R	N	
				M543 H7	AB				1 3			
59 2 I	E-IR-68+ CONTAINMENT PRESS. HIGH RANGE	CMS-PT-6R R 550 H.7/H.2	R369	16P7A22T0003PB	259003	1 4		4320	07	R	N	
				M543 H7	AB				2 0			
2 I	S-SR-20+ RE FOR DRYWELL	CMS-RE-12A R						4320	1 3			
				M543 F13	N							
2 I	S-SR-21+ RE FOR DRYWELL	CMS-RE-12B R						4320	1 3			
				M543 F6	N							
92B 2 I	CMS-RE-278 RE FOR LOCA DRYWELL MONITOR	R220 R 526 K.3/7.1		RS-CA-1606-203				4320	1 3			
				M544 63	P							
92B 2 I	CMS-RE-27D RAD ELEMENT ELEVATED RELEASE PT.	R220 R 611 H.3/6.2		RS-CA-1606-203				4320	1 3			
				M544 63	P							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	REF.	REF. MODEL NO.	QID.	TEST	ANL	F70	C	FREQ	TA	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY			
218	CMS-TE-17A				339004		0 1			99+		N
2 I	TEMPERATURE ELEMENT EL 56400	C 564	M543	H9	BP			4320	1 3			
218	CMS-TE-17B				339004		0 1			99+		N
2 I	TEMPERATURE ELEMENT EL 54800	C 548	M543	E9	BP			4320	1 3			
218	CMS-TE-17C				339004		0 1			99+		N
2 I	TEMPERATURE ELEMENT EL 53200	C 532	M543	E9	BP			4320	1 3			
218	CMS-TE-17D				339004		0 1			99+		N
2 I	TEMPERATURE ELEMENT EL 51600	C 516	M543	C9	BP			4320	1 3			
218	CMS-TE-21											
2 I	REACTOR DRYWELL	C 515	M543	D10	DP			4320	1 3			
218	CMS-TE-22											
2 I	REACTOR DRYWELL	C 515	M543	D10	DP			4320	1 3			
218	CMS-TE-23											
2 I	REACTOR DRYWELL	C 515	M543	C10	DP			4320	1 3			
218	CMS-TE-41		H329	TC-113X-T-A-24-3	339002							
2 I	TE FOR SUPPRESSION POOL WATER	C 451 2 DEG A2	M543	B13	D			24	1 0			
218	CMS-TE-42		H329	TC-113X-T-A-24-3	339002							
2 I	TE FOR SUPPRESSION POOL AIR	C 492 225 DEG A2	M543	B6	D			24	1 0			
218	CMS-TE-43		H329	TC-113X-T-A-24-3	339002							
2 I	TE FOR SUPPRESSION POOL WATER	C 451 225 DEG A2	M543	B6	D			24	1 0			
218	CMS-TE-44		H329	TC-113X-T-A-24-3	339002							
2 I	TE FOR SUPPRESSION POOL AIR	C 492 2 DEG A2	M543	B13	D			24	1 0			
02	CRD-IR-1	CRD-DP1-5	G080	13722								
3 A	DIFF. PRESS. INDICATOR	R 522 N.4/3.6	M528	C7				1.0	2 1			

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CONTRACT LY	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID AGING	TEST DRF	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
02	EC	CRD-IR-1+	CRD-DPI-9	G080	13733						
3	A	DIFF. PRESS. INDICATOR	R 522 N.4/3.6	M528 B6	N			140	2 3		
02		CRD-IR-1A+	CRD-DPIS-15	B080	288		086001				
2	A	DIFF. PRESS. INDIC. SWITCH	R 426 N.8/3.7	M528 B14	B			4320	2 3		
02		CRD-IR-1+	CRD-DPIS-2	B080	288		086001				
2	A	DIFF. PRESS. INDIC. SWITCH	R 522 N.4/3.6	M528 B10	H			4320	2 3		
02		CRD-IR-1+	CRD-DPT-11	B080	368		091003				
2	A	DIFF. PRESS. TRANSMITTER	R 522 N.4/3.6	M528 D7	N			4320	2 1		
02		CRD-IR-1+	CRD-DPT-8	B080	368		091003				
2	A	DIFF. PRESS. TRANSMITTER	R 522 N.4/3.6	M528 B6	M			4320	2 3		
02		CRD-IR-3+	CRD-E/P-001	G080	158B7013P7		104001				
2	A		R 524 N.8/3.8	M528 C8	M			140	2 1		
02		CRD-IR-1+	CRD-FI-7	R369	1151DP5022T0001PB						
2	A	CRD FLOW - -	R 522 N.4/3.6	M528 B6	A			140	2 1		
02		CRD-IR-1+	CRD-FT-9	R369	1151DP5022T0001PB						
2	A	CRD FLOW - -	R 522 N.4/3.6	M528 C7	A			4320	2 1		
02		CRD-IR-1A+	G080								
1	A	CRD PUMP INSTRUMENT RACK	R 426 N.8/3.7						1 3		
02		CRD-IR-1B+	G080								
1	A	CRD PUMP INSTRUMENT RACK	R 426 N.8/3.8						1 3		
02		CRD-IR-1C+	G080								
1	A	CRD PUMP INSTRUMENT RACK	R 426 N.8/4.8						1 3		
02C12		CRD-LS-13A	M043	5.0-751-1X-MPG-S13HY	207004	1 4	0 0		00	W	N
2	A	CRD LEVEL - -	R 322 J226.9	M528 J11	RA04	TH		4017	1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST DRE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC											
02C12 2 A		CRD-LS-13B	M040	5.0-751-1X-MPG-S13HY	207004	1.4	0.0		00	M	N
		CRD LEVEL - -	R 930 J2/6.9	M528 J11	R404 TH			5017	1.3		
02C12 2 A		CRD-LS-13C	M040	5.0-751-1X-MPG-M13HY	207004	1.4	0.0		00	M	N
		CRD LEVEL - -	R 532 J.4/4.9	M528 J16	R404 TH			5017	1.3		
02C12 2 A		CRD-LS-13D	M040	5.0-751-1X-MPG-M13HY	207004	1.4	0.0		00	M	N
		CRD LEVEL - -	R 532 J.4/4.9	M528 J17	R404 TH			5017	1.3		
02C12 2 A		CRD-LS-13E	M040	5.0-751-2X-MPG-M14HY	207004	1.4	0.0		00	M	N
		CRD LEVEL - -	R 528 J.4/4.9	M528 J17	R408 TH			5017	1.3		
02C12 2 A		CRD-LS-13F	M040	5.0-751-2X-MPG-M14HY	207004	1.4	0.0		00	M	N
		CRD LEVEL - -	R 525 J.4/4.9	M528 J17	R408 TH			5017	1.3		
02 2 A		CRD-FCV-2A+	CRD-M/A-9A								
		MAN/AUTO. STATION	R 524 M.8/3.8	M528 B7				1.0	2.1		
02 2 A		CRD-FCV-2B+	CRD-M/A-9B								
		MAN/AUTO. STATION	R 524 M.8/3.8	M528 B7				1.0	2.1		
02C12 2 A		CRD-V-3	CRD-MO-3	P295							
		133HP MOTOR OPERATOR CRD-V-3	R 524 M.0/3.5	M528 C7				4320	2.3		
02 2 A		CRD-IR-1B+	CRD-PS-1A	S382	6N-AA21-X3V11			256016			
		INLET TO CRD-ST-1A	R 426 M.8/3.8	M528 C13				4320	2.3		
02 2 A		CRD-IR-1C+	CRD-PS-1B	S382	6N-AA21-X3V11			256016			
		INLET TO CRD-ST-1B	R 426 M.8/4.8	M528 B12				4320	2.3		
02C12 2 A		CRD-HCU-0219	CRD-PS-130/0219	B069	B11-6H32SS			256019	1.1	0.1	F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/8.4	M528 C4	AB			1.0	1.3		
02C12 2 A		CRD-HCU-0223	CRD-PS-130/0223	B069	B11-6H32SS			256019	1.1	0.1	F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/8.4	M528 C4	AB			1.0	1.3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO AGEING	TEST DRE	AHL C	F/O HOURS	C ACCURACY	FREQ TH	HL
				DRAWING				USE			
02C12 2 A	CRD-HCU-0227 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0227	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0231 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0231	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0235 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0235	B069 R 522 K2/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0239 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0239	B069 R 522 K2/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0243 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0243	B069 R 522 K2/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0615 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0615	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0619 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0619	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0623 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0623	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0627 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0627	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0631 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0631	B069 R 522 L5/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0635 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0635	B069 R 522 K2/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-0639 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0639	B069 R 522 K2/8.4	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0	1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID AGING	TEST OBC	ANL C	F/O HOURS	C USE	FREQ ACCURACY	IN HL
02C12 2 A	CRD-HCU-0643	CRD-PS-130/0643 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-0647	CRD-PS-130/0647 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1011	CRD-PS-130/1011 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1015	CRD-PS-130/1015 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1019	CRD-PS-130/1019 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1023	CRD-PS-130/1023 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1027	CRD-PS-130/1027 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1031	CRD-PS-130/1031 R 522 L5/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1035	CRD-PS-130/1035 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1039	CRD-PS-130/1039 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1043	CRD-PS-130/1043 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			
02C12 2 A	CRD-HCU-1047	CRD-PS-130/1047 R 522 K2/8.4	B069	B11-GH32SS M528 C4	256019	1 1	0 1	1.0		F N	
	ACCUM PRESS 970-940 PSIG DECREASES							1.3			

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	AHL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	QTY	ABE	C	HOURS	ACCURACY	USE		
02C12 2 A	CRD-HCU-1051 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1051 R 522 K2/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1407 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1407 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1411 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1411 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1415 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1415 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1419 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1419 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1423 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1423 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1427 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1427 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1431 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1431 R 522 L5/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1435 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1435 R 522 K2/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1439 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1439 R 522 K2/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1443 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1443 R 522 K2/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-1447 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/1447 R 522 K2/8.4	B069	B1T-6H32SS M528 C4	256019	1 1	0 1	1.0	1 3		F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. DRAWING	QID AGING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-1451	CRD-PS-130/1451	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1455	CRD-PS-130/1455	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1803	CRD-PS-130/1803	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L3/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1807	CRD-PS-130/1807	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L3/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1811	CRD-PS-130/1811	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1815	CRD-PS-130/1815	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1819	CRD-PS-130/1819	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1823	CRD-PS-130/1823	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1827	CRD-PS-130/1827	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1831	CRD-PS-130/1831	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1835	CRD-PS-130/1835	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4		M528 C4	AB			1.0		1 3		
02C12 2 A	CRD-HCU-1839	CRD-PS-130/1839	B069	B1T-6H32SS	256019	1 1	0 1				F	N
	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4		M528 C4	AB			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	AS	AGTB	DBF	C	HOURS	ACCURACY		
									USE			
02C12	CRD-HCU-1843	CRD-PS-130/1843	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-1847	CRD-PS-130/1847	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-1851	CRD-PS-130/1851	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-1855	CRD-PS-130/1855	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-1859	CRD-PS-130/1859	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2203	CRD-PS-130/2203	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2207	CRD-PS-130/2207	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2211	CRD-PS-130/2211	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2215	CRD-PS-130/2215	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2219	CRD-PS-130/2219	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2223	CRD-PS-130/2223	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		
02C12	CRD-HCU-2227	CRD-PS-130/2227	B069	B1T-6H32SS	256019	1	1	0	1		F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB				1.0	1.3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	DWG ASNO	TEST OBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC								USE			
02C12 2 A	CRD-HCU-2231	CRD-PS-130/2231	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2235	CRD-PS-130/2235	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2239	CRD-PS-130/2239	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2243	CRD-PS-130/2243	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2247	CRD-PS-130/2247	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2251	CRD-PS-130/2251	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2255	CRD-PS-130/2255	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2259	CRD-PS-130/2259	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2603	CRD-PS-130/2603	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2607	CRD-PS-130/2607	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2611	CRD-PS-130/2611	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							
02C12 2 A	CRD-HCU-2615	CRD-PS-130/2615	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS			M528 C4							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	REG. PLANT LOCATION	REG. MODEL NO. ROOM	QID AGE	TEST DUE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12	CRD-HCU-2619	CRD-PS-130/2619	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2623	CRD-PS-130/2623	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2627	CRD-PS-130/2627	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2631	CRD-PS-130/2631	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2635	CRD-PS-130/2635	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2639	CRD-PS-130/2639	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2643	CRD-PS-130/2643	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2647	CRD-PS-130/2647	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2651	CRD-PS-130/2651	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2655	CRD-PS-130/2655	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-2659	CRD-PS-130/2659	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	M528 C4	AB			1.0	1 3		
02C12	CRD-HCU-3003	CRD-PS-130/3003	B069	B11-GH32SS	256019	1 1	0 1			F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	AB			1.0	1 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MF8: PLANT LOCATION	MF8 MODEL NO. ROOM	QTO AGING	TEST DBE	ANL C	F/O HOURS	C ACCURACY	FREQ USE	TM	HL
02C12 2	A	CRD-HCU-3007 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3007 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3011 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3011 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3015 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3015 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3019 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3019 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3023 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3023 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3027 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3027 R 522 L5/8.4	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3031 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3031 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3035 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3035 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3039 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3039 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3043 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3043 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3047 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3047 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3051 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3051 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TM	HL
02C12	2	CRD-HCU-3055	CRD-PS-130/3055	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3059	CRD-PS-130/3059	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3403	CRD-PS-130/3403	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3407	CRD-PS-130/3407	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3411	CRD-PS-130/3411	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3415	CRD-PS-130/3415	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3419	CRD-PS-130/3419	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3423	CRD-PS-130/3423	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3427	CRD-PS-130/3427	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3431	CRD-PS-130/3431	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3435	CRD-PS-130/3435	B069	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528	C4	AB		1.0		1 3		
02C12	2	CRD-HCU-3439	CRD-PS-130/3439	B065	B11-GH32SS	256019	1 1	0 1			F	N
	A	ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528	C4	AB		1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
									USE			
02C12 2	A	CRD-HCU-3443 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3443 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3447 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3447 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3451 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3451 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3455 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3455 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3459 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3459 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3803 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3803 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3807 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3807 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3811 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3811 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3815 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3815 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3819 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3819 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3823 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3823 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3827 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3827 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/C HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2	A	CRD-HCU-3831 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3831 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3835 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3835 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3839 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3839 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3843 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3843 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3847 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3847 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3851 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3851 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3855 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3855 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3859 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/3859 R 522 K2/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-4203 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4203 R 522 L5/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-4207 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4207 R 522 L5/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-4211 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4211 R 522 L5/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-4215 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4215 R 522 L5/3.7	B069 B1T-GH32SS	256019	1 1	0 1	1.0	1 3		F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID OS	TEST AGING	ANL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING					USE			
02C12 2 A	CRD-HCU-4219 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4219	B069 R 522 L5/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4223 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4223	B069 R 522 L5/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4227 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4227	B069 R 522 L5/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4231 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4231	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4235 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4235	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4239 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4239	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4243 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4243	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4247 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4247	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4251 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4251	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4255 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4255	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4259 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4259	B069 R 522 K2/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4607 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4607	B069 R 522 L5/3.7	B11-6H32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	RFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	USE	ACCURACY		
02C12 2 A	CRD-HCU-4611 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4611 R 522 L5/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4615 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4615 R 522 L5/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4619 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4619 R 522 L5/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4623 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4623 R 522 L5/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4627 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4627 R 522 L5/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4631 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4631 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4635 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4635 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4639 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4639 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4643 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4643 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4647 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4647 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4651 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4651 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2 A	CRD-HCU-4655 ACCUM PRESS 970-940 PSIG DECREASES	CRD-PS-130/4655 R 522 K2/3.7	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HF6 PLANT LOCATION	HF6 MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING	OS				USE			
02C12 2	A	CRD-HCU-5011 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5011 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5015 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5015 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5019 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5019 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5023 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5023 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5027 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5027 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5031 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5031 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5035 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5035 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5039 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5039 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5043 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5043 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5047 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5047 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5051 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5051 R 522 K2/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-5415 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5415 R 522 L5/3.7	B069 B11-GH32SS M528 C4	AB	256019	1 1	0.1	1.0	1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST DBE	ANL. C	F/O HOURS	C USE	FREQ ACCURACY	TH. HL
02C12 2 A	CRD-HCU-5419	CRD-PS-130/5419	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5423	CRD-PS-130/5423	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5427	CRD-PS-130/5427	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5431	CRD-PS-130/5431	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5435	CRD-PS-130/5435	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5439	CRD-PS-130/5439	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5443	CRD-PS-130/5443	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5447	CRD-PS-130/5447	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5819	CRD-PS-130/5819	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5823	CRD-PS-130/5823	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5827	CRD-PS-130/5827	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 L5/3.7	M528 C4	AB						
02C12 2 A	CRD-HCU-5831	CRD-PS-130/5831	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3		F N
		ACCUM PRESS 970-940 PSIG DECREASES	R 522 K2/3.7	M528 C4	AB						

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CONTRACT LV	COMPGSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBF	ANL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
02C12	CRD-HCU-5835	CRD-PS-130/5835	B069	B11-GH32SS	256019	1 1	0 1				F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/3.7	M528 C4	AB			1.0		1 3		
02C12	CRD-HCU-5839	CRD-PS-130/5839	B069	B11-GH32SS	256019	1 1	0 1				F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/3.7	M528 C4	AB			1.0		1 3		
02C12	CRD-HCU-5843	CRD-PS-130/5843	B069	B11-GH32SS	256019	1 1	0 1				F	N
2	A	ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/3.7	M528 C4	AB			1.0		1 3		
02	CRD-IR-2+	CRD-PT-5	B042	K6556110FAAA1								
2	A	CRD-FU-3A,B TO CHARGING WATER HOR	R 522 M.7/3.5	M528 C9	BP			4320		2 1		
02	CRD-IR-3+	CRD-PT-52										
2	A	PRESSURE TRANSMITTER AIR SUP.	R 526 M.8/3.8	M528 D12	PP			1.0		2 3		
02C12	CRD-IR-3+	CRD-SPV-110A	A499	HVA-103-632								
2	A	1.5" SOL. CAS-F-6 DISCH.	R 529 M.6/3.8	M528 D13	AA			1.0		1 3		
02C12	CRD-IR-3+	CRD-SPV-110B	A499	HVA-103-632								
2	A	1.5" SOL. CAS-F-6 DISCH.	R 528 M.8/3.8	M528 D14	AA			1.0		1 3		
02C12	CRD-HCU-0219	CRD-SPV-1170219	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3		
02C12	CRD-HCU-0223	CRD-SPV-1170223	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3		
02C12	CRD-HCU-0227	CRD-SPV-1170227	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3		
02C12	CRD-HCU-0231	CRD-SPV-1170231	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3		
02C12	CRD-HCU-0235	CRD-SPV-1170235	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGEING	TEST DRE	ANL C	F/O HOURS	C FREQ ACCURACY	TH	HL
02C12	CRD-HCU-0239	CRD-SPV-1170239	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0243	CRD-SPV-1170243	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0615	CRD-SPV-1170615	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0619	CRD-SPV-1170619	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0623	CRD-SPV-1170623	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0627	CRD-SPV-1170627	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0631	CRD-SPV-1170631	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0635	CRD-SPV-1170635	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0639	CRD-SPV-1170639	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0643	CRD-SPV-1170643	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-0647	CRD-SPV-1170647	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1.3	
02C12	CRD-HCU-1011	CRD-SPV-1171011	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1.3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-1015 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171015 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171019 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1023 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171023 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1027 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171027 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1031 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171031 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1035 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171035 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1039 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171039 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171043 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171047 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171051 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171407 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-1411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171411 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO AGING	TEST DBE	ANL C	F/G HOURS	C	FREQ ACCURACY	TM	HL
02C12 2 A	CRD-HCU-1415 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171415 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1419 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171419 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1423 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171423 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1427 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171427 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1431 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171431 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1435 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171435 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1439 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171439 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1443 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171443 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1447 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171447 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1451 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171451 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1455 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171455 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-1803 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171803 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0		1 3		

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02C12	CRD-HCU-1807	CRD-SPV-1171807	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1811	CRD-SPV-1171811	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1815	CRD-SPV-1171815	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1819	CRD-SPV-1171819	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1823	CRD-SPV-1171823	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1827	CRD-SPV-1171827	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1831	CRD-SPV-1171831	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1835	CRD-SPV-1171835	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1839	CRD-SPV-1171839	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1843	CRD-SPV-1171843	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1847	CRD-SPV-1171847	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-1851	CRD-SPV-1171851	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST OBS	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2	A	CRD-HCU-1855 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171855 R 522 K2/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-1859 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171859 R 522 K2/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2203 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172203 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2207 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172207 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2211 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172211 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2215 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172215 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2219 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172219 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2223 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172223 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2227 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172227 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2231 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172231 R 522 L5/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2235 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172235 R 522 K2/8.4	A610 HVA904052-J				1.0		1.3	
02C12 2	A	CRD-HCU-2239 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172239 R 522 K2/8.4	A610 HVA904052-J				1.0		1.3	

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				DRAWING					USE		
02C12 2 A	CRD-HCU-2243 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172243	A610 R 522 K2/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2247 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172247	A610 R 522 K2/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2251 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172251	A610 R 522 K2/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2255 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172255	A610 R 522 K2/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2259 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172259	A610 R 522 K2/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2603 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172603	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2607 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172607	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2611 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172611	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2615 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172615	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2619 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172619	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172623	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	
02C12 2 A	CRD-HCU-2627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172627	A610 R 522 L5/8.4	HVA904052-J	M528	D2		1.0	1	3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBE	AHL C	F/C HOURS	C USE	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION			DRAWING								
02C12 2 A	CRD-HCU-2631	CRD-SPV-1172631	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-2635	CRD-SPV-1172635	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2639	CRD-SPV-1172639	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2643	CRD-SPV-1172643	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2647	CRD-SPV-1172647	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2651	CRD-SPV-1172651	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2655	CRD-SPV-1172655	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2659	CRD-SPV-1172659	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3003	CRD-SPV-1173003	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3007	CRD-SPV-1173007	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3011	CRD-SPV-1173011	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3015	CRD-SPV-1173015	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	F/C HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-3019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173019	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3023 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173023	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3027 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173027	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3031 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173031	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3035 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173035	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3039 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173039	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173043	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173047	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173051	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3055 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173055	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3059 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173059	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3403 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173403	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	QID ROOM	TEST AGEING	ANL C	F/C HOURS	C FREQ	TH ACCURACY	HL
EC				DRAWING						USE	
02C12 2 A	CRD-HCU-3407	CRD-SPV-1173407	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3411	CRD-SPV-1173411	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3415	CRD-SPV-1173415	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3419	CRD-SPV-1173419	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3423	CRD-SPV-1173423	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3427	CRD-SPV-1173427	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3431	CRD-SPV-1173431	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3435	CRD-SPV-1173435	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3439	CRD-SPV-1173439	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3443	CRD-SPV-1173443	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3447	CRD-SPV-1173447	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3451	CRD-SPV-1173451	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	Q10 AGING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-3455 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173455 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3459 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173459 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3803 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173803 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3807 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173807 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3811 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173811 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3815 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173815 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3819 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173819 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3823 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173823 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3827 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173827 R 522 L5/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3831 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173831 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3835 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173835 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3839 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173839 R 522 K2/8.4	A610	HVA904052-J	M528 D2			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
02C12	CRD-HCU-3843	CRD-SPV-1173843	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-3847	CRD-SPV-1173847	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-3851	CRD-SPV-1173851	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-3855	CRD-SPV-1173855	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-3859	CRD-SPV-1173859	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4203	CRD-SPV-1174203	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4207	CRD-SPV-1174207	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4211	CRD-SPV-1174211	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4215	CRD-SPV-1174215	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4219	CRD-SPV-1174219	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4223	CRD-SPV-1174223	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4227	CRD-SPV-1174227	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID ASING	TEST DRE	ANL C	F/G HOURS	C. ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
02C12 2 A	CRD-HCU-4231	CRD-SPV-1174231	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4235	CRD-SPV-1174235	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4239	CRD-SPV-1174239	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4243	CRD-SPV-1174243	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4247	CRD-SPV-1174247	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4251	CRD-SPV-1174251	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4255	CRD-SPV-1174255	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4259	CRD-SPV-1174259	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4607	CRD-SPV-1174607	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-4611	CRD-SPV-1174611	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-4615	CRD-SPV-1174615	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-4619	CRD-SPV-1174619	A610	HVA904052-J				1.0	1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	Q5	OLD AGING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2	A	CRD-HCU-4623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174623 R 522 L5/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174627 R 522 L5/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4631 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174631 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4635 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174635 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4639 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174639 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4643 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174643 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4647 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174647 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4651 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174651 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-4655 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174655 R 522 K2/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-5011 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175011 R 522 L5/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-5015 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175015 R 522 L5/8.4	A610 HVA904052-J					1.0		1 3	
02C12 2	A	CRD-HCU-5019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175019 R 522 L5/8.4	A610 HVA904052-J					1.0		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DBE	AHL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-5023	CRD-SPV-1175023	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5027	CRD-SPV-1175027	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5031	CRD-SPV-1175031	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5035	CRD-SPV-1175035	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5039	CRD-SPV-1175039	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5043	CRD-SPV-1175043	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5047	CRD-SPV-1175047	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5051	CRD-SPV-1175051	A610	HVA904052-J				1.0		1.3		
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5415	CRD-SPV-1175415	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5419	CRD-SPV-1175419	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5423	CRD-SPV-1175423	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5427	CRD-SPV-1175427	A610	HVA904052-J				1.0		1.3		
		R 522 L5/8.4		M528 D2								

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CONTRACT LV	COMPCSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	Q5	AGING	DBE	HOURS	ACCURACY	USE		
02C12 2 A	CRD-HCU-5431	CRD-SPV-1175431	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5435	CRD-SPV-1175435	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5439	CRD-SPV-1175439	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5443	CRD-SPV-1175443	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5447	CRD-SPV-1175447	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5819	CRD-SPV-1175819	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5823	CRD-SPV-1175823	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5827	CRD-SPV-1175827	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5831	CRD-SPV-1175831	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5835	CRD-SPV-1175835	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5839	CRD-SPV-1175839	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-5843	CRD-SPV-1175843	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT	MFG. MODEL NO. LOCATION	QID ROOM	TEST AGE	ANL C	F/O HOURS	C C	FREQ ACCURACY	1M	HL
EC	EQUIPMENT DESCRIPTION			DRAWING						USE		
02C12 2 A	CRD-HCU-0219	CRD-SPV-1180219	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0223	CRD-SPV-1180223	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0227	CRD-SPV-1180227	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0231	CRD-SPV-1180231	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0235	CRD-SPV-1180235	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0239	CRD-SPV-1180239	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0243	CRD-SPV-1180243	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0615	CRD-SPV-1180615	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0619	CRD-SPV-1180619	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0623	CRD-SPV-1180623	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0627	CRD-SPV-1180627	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-0631	CRD-SPV-1180631	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG. MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 A	CRD-HCU-0635	CRD-SPV-1180635	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-0639	CRD-SPV-1180639	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-0643	CRD-SPV-1180643	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-0647	CRD-SPV-1180647	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-1011	CRD-SPV-1181011	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1015	CRD-SPV-1181015	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1019	CRD-SPV-1181019	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1023	CRD-SPV-1181023	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1027	CRD-SPV-1181027	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1031	CRD-SPV-1181031	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-1035	CRD-SPV-1181035	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-1039	CRD-SPV-1181039	A610	HVA904052-J				1.0		1.3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO. R 522 K2/8.4	HF8 PLANT LOCATION	HF8 MODEL NO. ROOM	Q5 ASING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-1043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181043 R 522 K2/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181047 R 522 K2/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181051 R 522 K2/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181407 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181411 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1415 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181415 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1419 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181419 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1423 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181423 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1427 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181427 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1431 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181431 R 522 L5/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1435 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181435 R 522 K2/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		
02C12 2 A	CRD-HCU-1439 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181439 R 522 K2/8.4	A610	HVA904052-J	M528	D2		1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-1443	CRD-SPV-1181443	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1447	CRD-SPV-1181447	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1451	CRD-SPV-1181451	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1455	CRD-SPV-1181455	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1803	CRD-SPV-1181803	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1807	CRD-SPV-1181807	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1811	CRD-SPV-1181811	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1815	CRD-SPV-1181815	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1819	CRD-SPV-1181819	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1823	CRD-SPV-1181823	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1827	CRD-SPV-1181827	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1831	CRD-SPV-1181831	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
02C12	CRD-HCU-1835	CRD-SPV-1181835	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1839	CRD-SPV-1181839	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1843	CRD-SPV-1181843	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1847	CRD-SPV-1181847	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1851	CRD-SPV-1181851	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1855	CRD-SPV-1181855	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-1859	CRD-SPV-1181859	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-2203	CRD-SPV-1182203	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-2207	CRD-SPV-1182207	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-2211	CRD-SPV-1182211	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-2215	CRD-SPV-1182215	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3	
02C12	CRD-HCU-2219	CRD-SPV-1182219	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QIO	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	Q8	AGING	OBE	C	HOURS	ACCURACY	USE		
02C12 2 A	CRD-HCU-2223	CRD-SPV-1182223	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02								
02C12 2 A	CRD-HCU-2227	CRD-SPV-1182227	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02								
02C12 2 A	CRD-HCU-2231	CRD-SPV-1182231	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02								
02C12 2 A	CRD-HCU-2235	CRD-SPV-1182235	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2239	CRD-SPV-1182239	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2243	CRD-SPV-1182243	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2247	CRD-SPV-1182247	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2251	CRD-SPV-1182251	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2255	CRD-SPV-1182255	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2259	CRD-SPV-1182259	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02								
02C12 2 A	CRD-HCU-2603	CRD-SPV-1182603	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02								
02C12 2 A	CRD-HCU-2607	CRD-SPV-1182607	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG PLANT LOCATION	HFG MODEL NO. ROOM	Q10 AGING	TEST OBE	ANL C	F/O HOURS	C FREQ ACCURACY	TH HL
02C12 2 A	CRD-HCU-2611 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182611	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2615 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182615	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2619 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182619	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182623	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182627	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2631 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182631	A610 R 522 L5/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2635 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182635	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2639 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182639	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2643 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182643	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2647 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182647	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2651 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182651	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	
02C12 2 A	CRD-HCU-2655 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182655	A610 R 522 K2/8.4	HVA904052-J	A			1.0	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID QS	TEST OBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
02C12	CRD-HCU-2659	CRD-SPV-1182659	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3003	CRD-SPV-1183003	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3007	CRD-SPV-1183007	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3011	CRD-SPV-1183011	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3015	CRD-SPV-1183015	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3019	CRD-SPV-1183019	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3023	CRD-SPV-1183023	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3027	CRD-SPV-1183027	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3031	CRD-SPV-1183031	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3035	CRD-SPV-1183035	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3039	CRD-SPV-1183039	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0	1 3		
02C12	CRD-HCU-3043	CRD-SPV-1183043	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2	A			1.0	1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO. DRAWING	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID AGING	TEST ORE	ANL C	F/O HOURS	C ACCURACY	FREQ TM	HL
02C12 2 A	CRD-HCU-3047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183047 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183051 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3055 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183055 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3059 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183059 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3403 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183403 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183407 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183411 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3415 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183415 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3419 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183419 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3423 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183423 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3427 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183427 R 522 L5/8.4	A610	HVA904052-J M528 D2				1.0	1 3		
02C12 2 A	CRD-HCU-3431 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183431 R 522 K2/8.4	A610	HVA904052-J M528 D2				1.0	1 3		

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CONTRACT LV.	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	BID AGTNG	TEST DBF	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE						
02C12 2 A	CRD-HCU-3435	CRD-SPV-1183435	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3439	CRD-SPV-1183439	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3443	CRD-SPV-1183443	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3447	CRD-SPV-1183447	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3451	CRD-SPV-1183451	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3455	CRD-SPV-1183455	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3459	CRD-SPV-1183459	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-3803	CRD-SPV-1183803	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3807	CRD-SPV-1183807	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3811	CRD-SPV-1183811	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3815	CRD-SPV-1183815	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-3819	CRD-SPV-1183819	A610	HVA904052-J				1.0	1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID Q3	TEST DBE	ANL C	F/O HOURS	C C	FREQ ACCURACY	TM TM	HL HL
02C12	CRD-HCU-3823	CRD-SPV-1183823	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3827	CRD-SPV-1183827	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3831	CRD-SPV-1183831	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3835	CRD-SPV-1183835	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3839	CRD-SPV-1183839	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3843	CRD-SPV-1183843	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3847	CRD-SPV-1183847	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3851	CRD-SPV-1183851	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3855	CRD-SPV-1183855	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-3859	CRD-SPV-1183859	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-4203	CRD-SPV-1184203	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		
02C12	CRD-HCU-4207	CRD-SPV-1184207	A610	HVA904052-J								
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/O HOURS	C C	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-4211	CRD-SPV-1184211	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-4215	CRD-SPV-1184215	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-4219	CRD-SPV-1184219	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-4223	CRD-SPV-1184223	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-4227	CRD-SPV-1184227	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-4231	CRD-SPV-1184231	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4235	CRD-SPV-1184235	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4239	CRD-SPV-1184239	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4243	CRD-SPV-1184243	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4247	CRD-SPV-1184247	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4251	CRD-SPV-1184251	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4255	CRD-SPV-1184255	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HF6 PLANT LOCATION	HF6 MODEL NO. ROOM	QID AGING	TEST DHE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
											USE
02C12	CRD-HCU-4259	CRD-SPV-1184259	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4607	CRD-SPV-1184607	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4611	CRD-SPV-1184611	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4615	CRD-SPV-1184615	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4619	CRD-SPV-1184619	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4623	CRD-SPV-1184623	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4627	CRD-SPV-1184627	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4631	CRD-SPV-1184631	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4635	CRD-SPV-1184635	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4639	CRD-SPV-1184639	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4643	CRD-SPV-1184643	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	
02C12	CRD-HCU-4647	CRD-SPV-1184647	A610	HVA904052-J							
2	A	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	AHL C	F/O HOURS	C USE	FREQ ACCURACY	TH. HL.
02C12 2 A	CRD-HCU-4651	CRD-SPV-1184651	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-4655	CRD-SPV-1184655	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-5011	CRD-SPV-1185011	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-5015	CRD-SPV-1185015	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-5019	CRD-SPV-1185019	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-5023	CRD-SPV-1185023	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-5027	CRD-SPV-1185027	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2							
02C12 2 A	CRD-HCU-5031	CRD-SPV-1185031	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-5035	CRD-SPV-1185035	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-5039	CRD-SPV-1185039	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-5043	CRD-SPV-1185043	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							
02C12 2 A	CRD-HCU-5047	CRD-SPV-1185047	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST QBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
02C12 2 A	CRD-HCU-5051	CRD-SPV-1185051	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5415	CRD-SPV-1185415	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5419	CRD-SPV-1185419	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5423	CRD-SPV-1185423	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5427	CRD-SPV-1185427	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5431	CRD-SPV-1185431	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5435	CRD-SPV-1185435	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5439	CRD-SPV-1185439	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5443	CRD-SPV-1185443	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5447	CRD-SPV-1185447	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5819	CRD-SPV-1185819	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5823	CRD-SPV-1185823	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								

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CONTRACT LV.	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/G HOURS	C FREQ	TH ACCURACY	HL
	EC			DRAWING					USE		
02C12 2 A	CRD-HCU-5827	CRD-SPV-1185827	A610	HVA904052-J				1.0		1 3	
		SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	H528 D2							
02C12 2 A	CRD-HCU-5831	CRD-SPV-1185831	A610	HVA904052-J				1.0		1 3	
		SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	H528 D2							
02C12 2 A	CRD-HCU-5835	CRD-SPV-1185835	A610	HVA904052-J				1.0		1 3	
		SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	H528 D2							
02C12 2 A	CRD-HCU-5839	CRD-SPV-1185839	A610	HVA904052-J				1.0		1 3	
		SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	H528 D2							
02C12 2 A	CRD-HCU-5843	CRD-SPV-1185843	A610	HVA904052-J				1.0		1 3	
		SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	H528 D2							
02C12 2 A	CRD-IR-34	CRD-SPV-9	A499	HT832322				1.0		1 3	
		1.5" SOLENOID CAS TO CRD-V-10	R 528 H.0/3.5	H528 D12							
02C12 2 G	CRD-HCU-0219	CRD-SV-120/0219	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G							
02C12 2 G	CRD-HCU-0223	CRD-SV-120/0223	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G							
02C12 2 G	CRD-HCU-0227	CRD-SV-120/0227	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G							
02C12 2 G	CRD-HCU-0231	CRD-SV-120/0231	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G							
02C12 2 G	CRD-HCU-0235	CRD-SV-120/0235	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G							
02C12 2 G	CRD-HCU-0239	CRD-SV-120/0239	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	AKL C	F/O HOURS	C FREQ ACCURACY	TH HL
									USE	
02C12 2 G	CRD-HCU-0243	CRD-SV-120/0243	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4		B					
02C12 2 G	CRD-HCU-0615	CRD-SV-120/0615	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-0619	CRD-SV-120/0619	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-0623	CRD-SV-120/0623	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-0627	CRD-SV-120/0627	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-0631	CRD-SV-120/0631	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-0635	CRD-SV-120/0635	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4		B					
02C12 2 G	CRD-HCU-0639	CRD-SV-120/0639	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4		B					
02C12 2 G	CRD-HCU-0643	CRD-SV-120/0643	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4		B					
02C12 2 G	CRD-HCU-0647	CRD-SV-120/0647	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4		B					
02C12 2 G	CRD-HCU-1011	CRD-SV-120/1011	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					
02C12 2 G	CRD-HCU-1015	CRD-SV-120/1015	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4		B					

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFGA. PLANT LOCATION	MFG MODEL NO. DRAWING	QID ROOM	TEST AGE	AHL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-1019	CRD-SV-120/1019	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1023	CRD-SV-120/1023	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1027	CRD-SV-120/1027	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1031	CRD-SV-120/1031	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1035	CRD-SV-120/1035	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4								
02C12 2 G	CRD-HCU-1039	CRD-SV-120/1039	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4								
02C12 2 G	CRD-HCU-1043	CRD-SV-120/1043	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4								
02C12 2 G	CRD-HCU-1047	CRD-SV-120/1047	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4								
02C12 2 G	CRD-HCU-1051	CRD-SV-120/1051	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4								
02C12 2 G	CRD-HCU-1407	CRD-SV-120/1407	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1411	CRD-SV-120/1411	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								
02C12 2 G	CRD-HCU-1415	CRD-SV-120/1415	A610	HVA1709662A	B			4320	1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QIO AGING	TEST DBE	ANL C	F/C HOURS	C FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-1419 CRD-SV-120/1419 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1423 CRD-SV-120/1423 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1427 CRD-SV-120/1427 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1431 CRD-SV-120/1431 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1435 CRD-SV-120/1435 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1439 CRD-SV-120/1439 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1443 CRD-SV-120/1443 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1447 CRD-SV-120/1447 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1451 CRD-SV-120/1451 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1455 CRD-SV-120/1455 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1803 CRD-SV-120/1803 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	
02C12 2 G	CRD-HCU-1807 CRD-SV-120/1807 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B				4320	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/C HOURS	C USE	FREQ ACCURACY	TM	HL
02C12 2 G	CRD-HCU-1811 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1811	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1815 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1815	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1819 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1819	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1823 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1823	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1827 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1827	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1831 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1831	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1835 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1835	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1839 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1839	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1843 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1843	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1847 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1847	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1851 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1851	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1855 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1855	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C FREQ ACCURACY	TH	HL
									USE		
02C12 2 G	CRD-HCU-1859	CRD-SV-120/1859 R 522 K2/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2203	CRD-SV-120/2203 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2207	CRD-SV-120/2207 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2211	CRD-SV-120/2211 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2215	CRD-SV-120/2215 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2219	CRD-SV-120/2219 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2223	CRD-SV-120/2223 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2227	CRD-SV-120/2227 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2231	CRD-SV-120/2231 R 522 L5/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2235	CRD-SV-120/2235 R 522 K2/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2239	CRD-SV-120/2239 R 522 K2/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-2243	CRD-SV-120/2243 R 522 K2/8.4 .5*SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320	1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	Q10 AGING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-2247	CRD-SV-120/2247	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-2251	CRD-SV-120/2251	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-2255	CRD-SV-120/2255	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-2259	CRD-SV-120/2259	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-2603	CRD-SV-120/2603	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2607	CRD-SV-120/2607	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2611	CRD-SV-120/2611	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2615	CRD-SV-120/2615	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2619	CRD-SV-120/2619	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2623	CRD-SV-120/2623	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2627	CRD-SV-120/2627	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-2631	CRD-SV-120/2631	A610	HVA1709662A				4320		1 3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4	G	B						

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	Q3	AGING	DBE	C	HOURS	USE	ACCURACY		
02C12 2 G	CRD-HCU-2635	CRD-SV-120/2635	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2639	CRD-SV-120/2639	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2643	CRD-SV-120/2643	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2647	CRD-SV-120/2647	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2651	CRD-SV-120/2651	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2655	CRD-SV-120/2655	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-2659	CRD-SV-120/2659	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-3003	CRD-SV-120/3003	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-3007	CRD-SV-120/3007	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-3011	CRD-SV-120/3011	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-3015	CRD-SV-120/3015	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-3019	CRD-SV-120/3019	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		

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WASHINGTON PUBLIC WATER SUPPLY SYSTEM
WHP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID DS	TEST DBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		AGING					USE	
02C12 2 G	CRD-HCU-3023	CRD-SV-120/3023	A610	HVA1709662A	R 522 L5/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3027	CRD-SV-120/3027	A610	HVA1709662A	R 522 L5/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3031	CRD-SV-120/3031	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3035	CRD-SV-120/3035	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3039	CRD-SV-120/3039	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3043	CRD-SV-120/3043	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3047	CRD-SV-120/3047	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3051	CRD-SV-120/3051	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3055	CRD-SV-120/3055	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3059	CRD-SV-120/3059	A610	HVA1709662A	R 522 K2/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3403	CRD-SV-120/3403	A610	HVA1709662A	R 522 L5/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						
02C12 2 G	CRD-HCU-3407	CRD-SV-120/3407	A610	HVA1709662A	R 522 L5/8.4	B		4320	1 3		
	.5"SOLENOID WITHDRAW EXHAUST VALVE				G						

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFC PLANT LOCATION	HFC MODEL NO. ROOM	Q10 AGING	TEST OBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
02C12 2 G	CRD-HCU-3411	CRD-SV-120/3411	A610	HVA1709662A							
		R 522 L5/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3415	CRD-SV-120/3415	A610	HVA1709662A							
		R 522 L5/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3419	CRD-SV-120/3419	A610	HVA1709662A							
		R 522 L5/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3423	CRD-SV-120/3423	A610	HVA1709662A							
		R 522 L5/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3427	CRD-SV-120/3427	A610	HVA1709662A							
		R 522 L5/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3431	CRD-SV-120/3431	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3435	CRD-SV-120/3435	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3439	CRD-SV-120/3439	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3443	CRD-SV-120/3443	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3447	CRD-SV-120/3447	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3451	CRD-SV-120/3451	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									
02C12 2 G	CRD-HCU-3455	CRD-SV-120/3455	A610	HVA1709662A							
		R 522 K2/8.4		B				4320	1 3		
		.5"SOLENOID WITHDRAW EXHAUST VALVE									

WASHINGTON PUBLIC POWER-SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	AGTNG	DBE	C	HOURS	USE	ACCURACY		
02C12 2 6	CRD-HCU-3459	CRD-SV-120/3459	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3803	CRD-SV-120/3803	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3807	CRD-SV-120/3807	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3811	CRD-SV-120/3811	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3815	CRD-SV-120/3815	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3819	CRD-SV-120/3819	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3823	CRD-SV-120/3823	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3827	CRD-SV-120/3827	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3831	CRD-SV-120/3831	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3835	CRD-SV-120/3835	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3839	CRD-SV-120/3839	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	6		B			4320		1 3		
02C12 2 6	CRD-HCU-3843	CRD-SV-120/3843	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	6		B			4320		1 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV EC	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
			PLANT LOCATION	ROOM	QS	AGING	DBE	C	HOURS	ACCURACY		USE
02C12 2 G	CRD-HCU-3847 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3847 R 522 K2/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-3851 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3851 R 522 K2/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-3855 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3855 R 522 K2/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-3859 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3859 R 522 K2/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4203 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4203 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4207 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4207 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4211 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4211 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4215 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4215 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4219 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4219 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4223 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4223 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4227 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4227 R 522 L5/8.4	A610	HVA1709662A						4320	1 3	
02C12 2 G	CRD-HCU-4231 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4231 R 522 K2/8.4	A610	HVA1709662A						4320	1 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST ORE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
EC				DRAWING					USE		
02C12 2 G	CRD-HCU-4235	CRD-SV-120/4235	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4239	CRD-SV-120/4239	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4243	CRD-SV-120/4243	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4247	CRD-SV-120/4247	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4251	CRD-SV-120/4251	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4255	CRD-SV-120/4255	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4259	CRD-SV-120/4259	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	G	B						
02C12 2 G	CRD-HCU-4607	CRD-SV-120/4607	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-4611	CRD-SV-120/4611	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-4615	CRD-SV-120/4615	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-4619	CRD-SV-120/4619	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G	B						
02C12 2 G	CRD-HCU-4623	CRD-SV-120/4623	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	G	B						

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HF0 PLANT LOCATION	HF0 MODEL NO. ROOM	QID AGING	TEST ORE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH HL
02C12	CRD-HCU-4627	CRD-SV-120/4627	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12	CRD-HCU-4631	CRD-SV-120/4631	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4635	CRD-SV-120/4635	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4639	CRD-SV-120/4639	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4643	CRD-SV-120/4643	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4647	CRD-SV-120/4647	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4651	CRD-SV-120/4651	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-4655	CRD-SV-120/4655	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12	CRD-HCU-5011	CRD-SV-120/5011	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12	CRD-HCU-5015	CRD-SV-120/5015	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12	CRD-HCU-5019	CRD-SV-120/5019	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12	CRD-HCU-5023	CRD-SV-120/5023	A610	HVA1709662A							
2	6	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MF93	MF6 MODEL NO.	PLANT LOCATION	ROOM	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC					DRAWING		AGING	OBE	C	HOURS	USE	ACCURACY		
02C12 2 6	CRD-HCU-5027	CRD-SV-120/5027	A610	HVA1709662A	R 522 L5/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5031	CRD-SV-120/5031	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5035	CRD-SV-120/5035	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5039	CRD-SV-120/5039	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5043	CRD-SV-120/5043	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5047	CRD-SV-120/5047	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5051	CRD-SV-120/5051	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5415	CRD-SV-120/5415	A610	HVA1709662A	R 522 L5/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5419	CRD-SV-120/5419	A610	HVA1709662A	R 522 L5/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5423	CRD-SV-120/5423	A610	HVA1709662A	R 522 L5/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5427	CRD-SV-120/5427	A610	HVA1709662A	R 522 L5/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													
02C12 2 6	CRD-HCU-5431	CRD-SV-120/5431	A610	HVA1709662A	R 522 K2/8.4		B			4320		1 3		
	.5" SOLENOID WITHDRAW EXHAUST VALVE													

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. SAFETY FUNCTION	MFG. MODEL NO. PLANT LOCATION	ROOM	Q5	Q10	TEST	ANL	F/O	C	FREQ	TH	HL
				DRAWING			AGNO	DRE	C	HOURS	ACCURACY			
												USE		

02C12	CRD-HCU-5435	CRD-SV-120/5435	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5439	CRD-SV-120/5439	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5443	CRD-SV-120/5443	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5447	CRD-SV-120/5447	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5819	CRD-SV-120/5819	A610	HVA1709662A										
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2	G		R 522 L5/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5823	CRD-SV-120/5823	A610	HVA1709662A										
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2	G		R 522 L5/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5827	CRD-SV-120/5827	A610	HVA1709662A										
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2	G		R 522 L5/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5831	CRD-SV-120/5831	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5835	CRD-SV-120/5835	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5839	CRD-SV-120/5839	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-5843	CRD-SV-120/5843	A610	HVA1709662A										
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2	G		R 522 K2/8.4			B						4320		
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.5" SOLENOID WITHDRAW EXHAUST VALVE

1 3

02C12	CRD-HCU-0219	CRD-SV-121/0219	A610	HVA1709662A										
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2	G		R 522 L5/8.4			B						4320		
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.5" SOLENOID INSERT EXHAUST VALVE

1 3

WASHINGTON PLANT POWER SUPPLY SYSTEM
WHP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TN	HL
EC			PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY		
										USE		
02C12 2 6	CRD-HCU-0223	CRD-SV-121/0223	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0227	CRD-SV-121/0227	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0231	CRD-SV-121/0231	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0235	CRD-SV-121/0235	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0239	CRD-SV-121/0239	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0243	CRD-SV-121/0243	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0615	CRD-SV-121/0615	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0619	CRD-SV-121/0619	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0623	CRD-SV-121/0623	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0627	CRD-SV-121/0627	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0631	CRD-SV-121/0631	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4	G	B				4320	1 3		
02C12 2 6	CRD-HCU-0635	CRD-SV-121/0635	A610	HVA1709662A								
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4	G	B				4320	1 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	HFG.	HFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	ABNO	OBE	C	HOURS	ACCURACY		
				DRAWING						USE		
02C12	CRD-HCU-0639	CRD-SV-121/0639	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	
02C12	CRD-HCU-0643	CRD-SV-121/0643	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	
02C12	CRD-HCU-0647	CRD-SV-121/0647	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1011	CRD-SV-121/1011	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1015	CRD-SV-121/1015	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1019	CRD-SV-121/1019	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1023	CRD-SV-121/1023	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1027	CRD-SV-121/1027	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1031	CRD-SV-121/1031	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1035	CRD-SV-121/1035	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1039	CRD-SV-121/1039	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	
02C12	CRD-HCU-1043	CRD-SV-121/1043	A610	HVA1709662A								
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B				4320	1	3	

WASHINGTON POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
02C12 2 G	CRD-HCU-1047 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1047	A610 R 522 K2/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1051 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1051	A610 R 522 K2/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1407 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1407	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1411 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1411	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1415 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1415	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1419 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1419	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1423 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1423	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1427 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1427	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1431 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1431	A610 R 522 L5/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1435 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1435	A610 R 522 K2/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1439 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1439	A610 R 522 K2/8.4	HVA1709662A	B			4320	1	3	
02C12 2 G	CRD-HCU-1443 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1443	A610 R 522 K2/8.4	HVA1709662A	B			4320	1	3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO. DRAWING	HF6 PLANT LOCATION	HF6 MODEL NO. ROOM	Q10 AGING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-1447 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1447 R 522 K2/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1451 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1451 R 522 K2/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1455 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1455 R 522 K2/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1803 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1803 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1807 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1807 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1811 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1811 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1815 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1815 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1819 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1819 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1823 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1823 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1827 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1827 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1831 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1831 R 522 L5/8.4	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1835 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1835 R 522 K2/8.4	A610	HVA1709662A				4320		1 3	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	ROOM	Q'S	QID AGING	TEST DBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
02C12	CRD-HCU-1839	CRD-SV-121/1839	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-1843	CRD-SV-121/1843	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-1847	CRD-SV-121/1847	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-1851	CRD-SV-121/1851	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-1855	CRD-SV-121/1855	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-1859	CRD-SV-121/1859	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2203	CRD-SV-121/2203	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2207	CRD-SV-121/2207	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2211	CRD-SV-121/2211	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2215	CRD-SV-121/2215	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2219	CRD-SV-121/2219	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	
02C12	CRD-HCU-2223	CRD-SV-121/2223	A610	HVA1709662A									
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B				4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
02C12 2 G	CRD-HCU-2227	CRD-SV-121/2227	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2231	CRD-SV-121/2231	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2235	CRD-SV-121/2235	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2239	CRD-SV-121/2239	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2243	CRD-SV-121/2243	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2247	CRD-SV-121/2247	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2251	CRD-SV-121/2251	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2255	CRD-SV-121/2255	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2259	CRD-SV-121/2259	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2603	CRD-SV-121/2603	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2607	CRD-SV-121/2607	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	
02C12 2 G	CRD-HCU-2611	CRD-SV-121/2611	A610	HVA1709662A							
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	B				4320		1 3	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. ROOM	QID AGING	TEST USE	ANL C	F/O HOURS	FREQ ACCURACY	TH. HL
02C12 2 G	CRD-HCU-2615	CRD-SV-121/2615 R 522 L5/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2619	CRD-SV-121/2619 R 522 L5/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2623	CRD-SV-121/2623 R 522 L5/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2627	CRD-SV-121/2627 R 522 L5/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2631	CRD-SV-121/2631 R 522 L5/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2635	CRD-SV-121/2635 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2639	CRD-SV-121/2639 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2643	CRD-SV-121/2643 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2647	CRD-SV-121/2647 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2651	CRD-SV-121/2651 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2655	CRD-SV-121/2655 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	
02C12 2 G	CRD-HCU-2659	CRD-SV-121/2659 R 522 K2/8.4	A610	HVA1709662A	B			4320	1 3	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MPG PLANT LOCATION	MPG MODEL NO. ROOM	QID BS	TEST AGING	ANL DBE	F/O C	FREQ HOURS	TH ACCURACY	HL
											USE
02C12	CRD-HCU-3003	CRD-SV-121/3003	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3007	CRD-SV-121/3007	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3011	CRD-SV-121/3011	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3015	CRD-SV-121/3015	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3019	CRD-SV-121/3019	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3023	CRD-SV-121/3023	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3027	CRD-SV-121/3027	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B				4320	1 3	
02C12	CRD-HCU-3031	CRD-SV-121/3031	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B				4320	1 3	
02C12	CRD-HCU-3035	CRD-SV-121/3035	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B				4320	1 3	
02C12	CRD-HCU-3039	CRD-SV-121/3039	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B				4320	1 3	
02C12	CRD-HCU-3043	CRD-SV-121/3043	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B				4320	1 3	
02C12	CRD-HCU-3047	CRD-SV-121/3047	A610	HVA1709662A							
2 G		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B				4320	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	AGE	DOE	C	HOURS	ACCURACY	USE		
12C12 2 G	CRD-HCU-3051	CRD-SV-121/3051	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4		B							
02C12 2 G	CRD-HCU-3055	CRD-SV-121/3055	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4		B							
02C12 2 G	CRD-HCU-3059	CRD-SV-121/3059	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4		B							
02C12 2 G	CRD-HCU-3403	CRD-SV-121/3403	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3407	CRD-SV-121/3407	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3411	CRD-SV-121/3411	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3415	CRD-SV-121/3415	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3419	CRD-SV-121/3419	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3423	CRD-SV-121/3423	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3427	CRD-SV-121/3427	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4		B							
02C12 2 G	CRD-HCU-3431	CRD-SV-121/3431	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4		B							
02C12 2 G	CRD-HCU-3435	CRD-SV-121/3435	A610	HVA1709662A						4320	1 3	
	.5"SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4		B							

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AS	TEST ABC	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
				DRAWING							USE
02C12	CRD-HCU-3439	CRD-SV-121/3439	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3443	CRD-SV-121/3443	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3447	CRD-SV-121/3447	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3451	CRD-SV-121/3451	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3455	CRD-SV-121/3455	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3459	CRD-SV-121/3459	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1	3
02C12	CRD-HCU-3803	CRD-SV-121/3803	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3
02C12	CRD-HCU-3807	CRD-SV-121/3807	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3
02C12	CRD-HCU-3811	CRD-SV-121/3811	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3
02C12	CRD-HCU-3815	CRD-SV-121/3815	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3
02C12	CRD-HCU-3819	CRD-SV-121/3819	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3
02C12	CRD-HCU-3823	CRD-SV-121/3823	A610	HVA1709662A							
2	G	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1	3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO. ROOM	QID AGING	TEST OBS	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
02C12 2 G	CRD-HCU-3827 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3827	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3831 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3831	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3835 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3835	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3839 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3839	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3843 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3843	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3847 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3847	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3851 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3851	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3855 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3855	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-3859 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3859	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-4203 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4203	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-4207 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4207	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3		
02C12 2 G	CRD-HCU-4211 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4211	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3		

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WNP-2 GLASSBORO EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFG PLANT LOCATION	HFG MODEL NO. ROOM	QIO AGING	TEST DBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
				DRAWING							USE
02C12	CRD-HCU-4215	CRD-SV-121/4215	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4219	CRD-SV-121/4219	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4223	CRD-SV-121/4223	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4227	CRD-SV-121/4227	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4231	CRD-SV-121/4231	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4235	CRD-SV-121/4235	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4239	CRD-SV-121/4239	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4243	CRD-SV-121/4243	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4247	CRD-SV-121/4247	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4251	CRD-SV-121/4251	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4255	CRD-SV-121/4255	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	
02C12	CRD-HCU-4259	CRD-SV-121/4259	A610	HVA1709662A							
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G	B			4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID AGEING	TEST OBE	ANL C	F70 HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-4607	CRD-SV-121/4607	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4611	CRD-SV-121/4611	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4615	CRD-SV-121/4615	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4619	CRD-SV-121/4619	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4623	CRD-SV-121/4623	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4627	CRD-SV-121/4627	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		B						
02C12 2 G	CRD-HCU-4631	CRD-SV-121/4631	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						
02C12 2 G	CRD-HCU-4635	CRD-SV-121/4635	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						
02C12 2 G	CRD-HCU-4639	CRD-SV-121/4639	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						
02C12 2 G	CRD-HCU-4643	CRD-SV-121/4643	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						
02C12 2 G	CRD-HCU-4647	CRD-SV-121/4647	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						
02C12 2 G	CRD-HCU-4651	CRD-SV-121/4651	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		B						

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	WPP MODEL NO. ROOM	QID Q5	TEST DRAWING	ANL C	F70 HOURS	C C	FREQ ACCURACY	1TH HL
02C12	2 6	CRD-HCU-4655 CRD-SV-121/4655 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5011 CRD-SV-121/5011 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5015 CRD-SV-121/5015 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5019 CRD-SV-121/5019 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5023 CRD-SV-121/5023 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5027 CRD-SV-121/5027 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5031 CRD-SV-121/5031 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5035 CRD-SV-121/5035 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5039 CRD-SV-121/5039 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5043 CRD-SV-121/5043 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5047 CRD-SV-121/5047 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12	2 6	CRD-HCU-5051 CRD-SV-121/5051 .5" SOLENOID INSERT EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	

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UNP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFG.	HFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	AGE	DEF	C	HOURS	ACCURACY	USE		
02C12 2 6	CRD-HCU-5415	CRD-SV-121/5415	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5419	CRD-SV-121/5419	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5423	CRD-SV-121/5423	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5427	CRD-SV-121/5427	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5431	CRD-SV-121/5431	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 6	CRD-HCU-5435	CRD-SV-121/5435	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 6	CRD-HCU-5439	CRD-SV-121/5439	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 6	CRD-HCU-5443	CRD-SV-121/5443	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 6	CRD-HCU-5447	CRD-SV-121/5447	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 6	CRD-HCU-5819	CRD-SV-121/5819	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5823	CRD-SV-121/5823	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 6	CRD-HCU-5827	CRD-SV-121/5827	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B							

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	AF61	HFG MODEL NO.	Q10	TEST	ANL	F/O	C	FREQ	LTN	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRWG	DBF	CAV	HOURS		ACCURACY		USE
02C12 2 6	CRD-HCU-5831	CRD-SV-121/5831	A610	HVA1709662A								
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-5835	CRD-SV-121/5835	A610	HVA1709662A								
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-5839	CRD-SV-121/5839	A610	HVA1709662A								
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-5843	CRD-SV-121/5843	A610	HVA1709662A								
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0219	CRD-SV-122/0219	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0223	CRD-SV-122/0223	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0227	CRD-SV-122/0227	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0231	CRD-SV-122/0231	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0235	CRD-SV-122/0235	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0239	CRD-SV-122/0239	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0243	CRD-SV-122/0243	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							4320	1 3	
02C12 2 6	CRD-HCU-0615	CRD-SV-122/0615	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							4320	1 3	

WASHINGTON FIELD POWER SUPPLY SYSTEM
VNP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HPG	HPG MODEL NO.	QID	TEST	ANL	P/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AGE	ONE	C	HOURS	ACCURACY	USE			
02C12 2 6	CRD-HCU-0619	CRD-SV-122/0619	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0623	CRD-SV-122/0623	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0627	CRD-SV-122/0627	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0631	CRD-SV-122/0631	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0635	CRD-SV-122/0635	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0639	CRD-SV-122/0639	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0643	CRD-SV-122/0643	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-0647	CRD-SV-122/0647	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-1011	CRD-SV-122/1011	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-1015	CRD-SV-122/1015	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-1019	CRD-SV-122/1019	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			
02C12 2 6	CRD-HCU-1023	CRD-SV-122/1023	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3			

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 100

CONTRACT LV	COMPOSITE NOS SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NOS RFG#	RFG# MODEL NOS PLANT LOCATION ROOM	GIO AGING	TEST OBE	AKL C	F/D HOURS	C ACCURACY	FREQ TH	HL
										USE
02C12 2 G	CRD-HCU-1027 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1027 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1031 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1031 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1035 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1035 R 522 K2/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1039 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1039 R 522 K2/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1043 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1043 R 522 K2/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1047 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1047 R 522 K2/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1051 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1051 R 522 K2/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1407 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1407 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1411 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1411 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1415 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1415 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1419 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1419 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1423 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1423 R 522 L5/8.4	A610 HVA1709662A				4320		1 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS II EQUIPMENT LIST

DATE 01/12/82 PAGE 101

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HPG. PLANT LOCATION	HPG MODEL NO. RDR	Q10 AQING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 6	CRD-HCU-1427	CRD-SV-122/1427	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-1431	CRD-SV-122/1431	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-1435	CRD-SV-122/1435	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1439	CRD-SV-122/1439	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1443	CRD-SV-122/1443	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1447	CRD-SV-122/1447	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1451	CRD-SV-122/1451	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1455	CRD-SV-122/1455	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-1803	CRD-SV-122/1803	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-1807	CRD-SV-122/1807	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-1811	CRD-SV-122/1811	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-1815	CRD-SV-122/1815	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 102

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFG#	WFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	Q#	AGING	DBE	C	HOURS	ACCURACY		
										USE		
02C12 2 6	CRD-HCU-1819	CRD-SV-122/1819	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
12C12 2 6	CRD-HCU-1823	CRD-SV-122/1823	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-1827	CRD-SV-122/1827	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-1831	CRD-SV-122/1831	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-1835	CRD-SV-122/1835	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1839	CRD-SV-122/1839	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1843	CRD-SV-122/1843	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1847	CRD-SV-122/1847	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1851	CRD-SV-122/1851	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1855	CRD-SV-122/1855	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-1859	CRD-SV-122/1859	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-2203	CRD-SV-122/2203	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS II EQUIPMENT LIST

DATE 01/12/02 PAGE 103

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFQ SAFETY FUNCTION	HFQ MODEL NO. PLANT LOCATION	QID ROOM	TEST DATE	AND DRE	F/O HOURS	C ACCURACY	FREQ USE	TH	HL
02C12 2 6	CRD-HCU-2207	CRD-SV-122/2207	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2211	CRD-SV-122/2211	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2215	CRD-SV-122/2215	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2219	CRD-SV-122/2219	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2223	CRD-SV-122/2223	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2227	CRD-SV-122/2227	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2231	CRD-SV-122/2231	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12 2 6	CRD-HCU-2235	CRD-SV-122/2235	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-2239	CRD-SV-122/2239	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-2243	CRD-SV-122/2243	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-2247	CRD-SV-122/2247	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12 2 6	CRD-HCU-2251	CRD-SV-122/2251	A610	HVA1709662A				4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFG PLANT LOCATION	HFG MODEL NO. ROOM	QID QID	TEST AGEING	ANL OBE	F/D C	FREQ HOURS	TH ACCURACY	HL
											USE
02C12	CRD-HCU-2255	CRD-SV-122/2255	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	6							
02C12	CRD-HCU-2259	CRD-SV-122/2259	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	6							
02C12	CRD-HCU-2603	CRD-SV-122/2603	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2607	CRD-SV-122/2607	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2611	CRD-SV-122/2611	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2615	CRD-SV-122/2615	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2619	CRD-SV-122/2619	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2623	CRD-SV-122/2623	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2627	CRD-SV-122/2627	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2631	CRD-SV-122/2631	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	6							
02C12	CRD-HCU-2635	CRD-SV-122/2635	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	6							
02C12	CRD-HCU-2639	CRD-SV-122/2639	A610	HVA1709662A					4320	1 3	
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	6							

WASHINGTON POWER SUPPLY SYSTEM
VHP-2 CLASS I-E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG PLANT LOCATION	HFG MODEL NO. ROOM	QID K61NB	TEST DBE	ANE C	F/O HOURS	C FREQUENCY	TH HL
02C12 2 6	CRD-HCU-2643	CRD-SV-122/2643	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							
02C12 2 6	CRD-HCU-2647	CRD-SV-122/2647	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							
02C12 2 6	CRD-HCU-2651	CRD-SV-122/2651	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							
02C12 2 6	CRD-HCU-2655	CRD-SV-122/2655	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							
02C12 2 6	CRD-HCU-2659	CRD-SV-122/2659	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4							
02C12 2 6	CRD-HCU-3003	CRD-SV-122/3003	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3007	CRD-SV-122/3007	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3011	CRD-SV-122/3011	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3015	CRD-SV-122/3015	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3019	CRD-SV-122/3019	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3023	CRD-SV-122/3023	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							
02C12 2 6	CRD-HCU-3027	CRD-SV-122/3027	A610	HVA1709662A				4320	1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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DATE 01/12/82 PAGE 106

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HF81 PLANT LOCATION	HF8 MODEL NO. DRAWING	Q10 ROOM	TEST AS	ANL ACTING	F70 OBE	C C	FREQ HOURS	TN ACCURACY	HL USE
02C12	CRD-HCU-3031	CRD-SV-122/3031	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3035	CRD-SV-122/3035	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3039	CRD-SV-122/3039	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3043	CRD-SV-122/3043	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3047	CRD-SV-122/3047	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3051	CRD-SV-122/3051	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3055	CRD-SV-122/3055	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3059	CRD-SV-122/3059	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B					4320	1 3	
02C12	CRD-HCU-3403	CRD-SV-122/3403	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B					4320	1 3	
02C12	CRD-HCU-3407	CRD-SV-122/3407	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B					4320	1 3	
02C12	CRD-HCU-3411	CRD-SV-122/3411	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B					4320	1 3	
02C12	CRD-HCU-3415	CRD-SV-122/3415	A610	HVA1709662A								
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B					4320	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID AS	TEST ANAL	F70 C	FREQ TH	HL
EC							USE		
02C12 2 6	CRD-HCU-3419	CRD-SV-122/3419	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4		B				
02C12 2 6	CRD-HCU-3423	CRD-SV-122/3423	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4		B				
02C12 2 6	CRD-HCU-3427	CRD-SV-122/3427	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4		B				
02C12 2 6	CRD-HCU-3431	CRD-SV-122/3431	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3435	CRD-SV-122/3435	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3439	CRD-SV-122/3439	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3443	CRD-SV-122/3443	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3447	CRD-SV-122/3447	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3451	CRD-SV-122/3451	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3455	CRD-SV-122/3455	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3459	CRD-SV-122/3459	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4		B				
02C12 2 6	CRD-HCU-3803	CRD-SV-122/3803	A610	HVA1709662A			4320	1 3	
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4		B				

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	RFG PLANT LOCATION	RFG MODEL/NO. ROOM	QID AGING	TEST OBE	AHL C	F/O HOURS	C ACCURACY	FREQ TH	HL
											USE
02C12	CRD-HCU-3807	CRD-SV-122/3807	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3811	CRD-SV-122/3811	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3815	CRD-SV-122/3815	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3819	CRD-SV-122/3819	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3823	CRD-SV-122/3823	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3827	CRD-SV-122/3827	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320		1 3	
02C12	CRD-HCU-3831	CRD-SV-122/3831	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	
02C12	CRD-HCU-3835	CRD-SV-122/3835	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	
02C12	CRD-HCU-3839	CRD-SV-122/3839	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	
02C12	CRD-HCU-3843	CRD-SV-122/3843	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	
02C12	CRD-HCU-3847	CRD-SV-122/3847	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	
02C12	CRD-HCU-3851	CRD-SV-122/3851	A610	HVA1709662A							
2 6		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320		1 3	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	NFO PLANT LOCATION	NFO MODEL NO. ROOM	QID AGING	TEST DIE	ANL C	P/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 6	CRD-HCU-3855	CRD-SV-122/3855	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-3859	CRD-SV-122/3859	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-4203	CRD-SV-122/4203	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4207	CRD-SV-122/4207	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4211	CRD-SV-122/4211	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4215	CRD-SV-122/4215	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4219	CRD-SV-122/4219	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4223	CRD-SV-122/4223	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4227	CRD-SV-122/4227	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-4231	CRD-SV-122/4231	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-4235	CRD-SV-122/4235	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-4239	CRD-SV-122/4239	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPQ PLANT LOCATION	HPQ MODEL NO. ROOM	QID AGEING	TEST DPR	AND C	F/O HOURS	C ACCURACY	FREQ TH	HL
				DRAWING					USE		
02C12 2 6	CRD-HCU-4243	CRD-SV-122/4243	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-4247	CRD-SV-122/4247	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-4251	CRD-SV-122/4251	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-4255	CRD-SV-122/4255	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-4259	CRD-SV-122/4259	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-4607	CRD-SV-122/4607	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4611	CRD-SV-122/4611	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4615	CRD-SV-122/4615	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4619	CRD-SV-122/4619	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4623	CRD-SV-122/4623	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4627	CRD-SV-122/4627	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-4631	CRD-SV-122/4631	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID ROOM	TEST QID	ANL C	F/O HOURS	C FREQ	IN ACCURACY	HL
02C12 2 G	CRD-HCU-4635	CRD-SV-122/4635	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-4639	CRD-SV-122/4639	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-4643	CRD-SV-122/4643	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-4647	CRD-SV-122/4647	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-4651	CRD-SV-122/4651	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-4655	CRD-SV-122/4655	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-5011	CRD-SV-122/5011	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5015	CRD-SV-122/5015	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5019	CRD-SV-122/5019	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5023	CRD-SV-122/5023	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5027	CRD-SV-122/5027	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5035	CRD-SV-122/5035	A610	HVA1709662A				4320		1 3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4								

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG SAFETY FUNCTION	HPG MODEL NO. PLANT LOCATION	QID ROOM	TEST AGEING	ANL DRE	F/O C	FREQ HOURS	TH ACCURACY	HL
											USE
02C12	CRD-HCU-5039	CRD-SV-122/5039	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5043	CRD-SV-122/5043	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5047	CRD-SV-122/5047	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5051	CRD-SV-122/5051	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5415	CRD-SV-122/5415	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	B				4320	1	3	
02C12	CRD-HCU-5419	CRD-SV-122/5419	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	B				4320	1	3	
02C12	CRD-HCU-5423	CRD-SV-122/5423	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	B				4320	1	3	
02C12	CRD-HCU-5427	CRD-SV-122/5427	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4	B				4320	1	3	
02C12	CRD-HCU-5431	CRD-SV-122/5431	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5435	CRD-SV-122/5435	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5439	CRD-SV-122/5439	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	
02C12	CRD-HCU-5443	CRD-SV-122/5443	A610	HVA1709662A							
2	G	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4	B				4320	1	3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AIRING	TEST DBE	CAHL C	F/D HOURS	C ACCURACY	FREQ TH	HL
02C12 2 6	CRD-HCU-5447	CRD-SV-122/5447	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-5819	CRD-SV-122/5819	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-5823	CRD-SV-122/5823	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-5827	CRD-SV-122/5827	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-5831	CRD-SV-122/5831	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-5835	CRD-SV-122/5835	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-5839	CRD-SV-122/5839	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-5843	CRD-SV-122/5843	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0219	CRD-SV-123/0219	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0223	CRD-SV-123/0223	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0227	CRD-SV-123/0227	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0231	CRD-SV-123/0231	A610	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFO PLANT LOCATION	HFO MODEL NO. ROOM	Q10 AGE	TEST DIE	ANL C	F70 HOURS	FREQ C	TH ACCURACY	HL
02C12 2 6	CRD-HCU-0235	CRD-SV-123/0235	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0239	CRD-SV-123/0239	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0243	CRD-SV-123/0243	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0615	CRD-SV-123/0615	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0619	CRD-SV-123/0619	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0623	CRD-SV-123/0623	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0627	CRD-SV-123/0627	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0631	CRD-SV-123/0631	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B						
02C12 2 6	CRD-HCU-0635	CRD-SV-123/0635	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0639	CRD-SV-123/0639	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0643	CRD-SV-123/0643	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						
02C12 2 6	CRD-HCU-0647	CRD-SV-123/0647	A610	HVA1709662A				4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B						

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WHP-2 CLASS II EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	QTY	BOYNO	ONE	C	HOURS	ACCURACY		
02C12 2 6	CRD-HCU-1011	CRD-SV-123/1011	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-1015	CRD-SV-123/1015	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 9	CRD-HCU-1019	CRD-SV-123/1019	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-1023	CRD-SV-123/1023	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-1027	CRD-SV-123/1027	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-1031	CRD-SV-123/1031	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-1035	CRD-SV-123/1035	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-1039	CRD-SV-123/1039	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-1043	CRD-SV-123/1043	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-1047	CRD-SV-123/1047	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-1051	CRD-SV-123/1051	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-1407	CRD-SV-123/1407	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID AGING	TEST QBE	ANL C	F70 HOURS	FREQ ACCURACY	TH HL
EC				DRAWING				USE		
02C12 2 6	CRD-HCU-1415	CRD-SV-123/1415	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1419	CRD-SV-123/1419	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1423	CRD-SV-123/1423	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1427	CRD-SV-123/1427	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1431	CRD-SV-123/1431	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1435	CRD-SV-123/1435	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1439	CRD-SV-123/1439	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1443	CRD-SV-123/1443	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1447	CRD-SV-123/1447	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1451	CRD-SV-123/1451	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1455	CRD-SV-123/1455	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3	
02C12 2 6	CRD-HCU-1803	CRD-SV-123/1803	A610	HVA1709662A						
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3	

WASHINGTON POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MF02 PLANT LOCATION	MF0 MODEL NO. ROOM	QID AS	TEST AGING	ANL DBE	F/O C	F/O HOURS	FREQ ACCURACY	TH. HL
02C12	CRD-HCU-1807	CRD-SV-123/1807	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1811	CRD-SV-123/1811	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1815	CRD-SV-123/1815	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1819	CRD-SV-123/1819	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1823	CRD-SV-123/1823	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1827	CRD-SV-123/1827	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1831	CRD-SV-123/1831	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B					4320	1	3
02C12	CRD-HCU-1835	CRD-SV-123/1835	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B					4320	1	3
02C12	CRD-HCU-1839	CRD-SV-123/1839	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B					4320	1	3
02C12	CRD-HCU-1843	CRD-SV-123/1843	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B					4320	1	3
02C12	CRD-HCU-1847	CRD-SV-123/1847	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B					4320	1	3
02C12	CRD-HCU-1851	CRD-SV-123/1851	A610	HVA1709662A							
2	0	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B					4320	1	3

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	AND	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AGE	AGE	AGE	AGE	AGE	AGE	AGE	AGE	AGE
EC	EQUIPMENT DESCRIPTION	DRAWING										USE
02C12	CRD-HCU-1855	CRD-SV-123/1855	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12	CRD-HCU-1859	CRD-SV-123/1859	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12	CRD-HCU-2203	CRD-SV-123/2203	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2207	CRD-SV-123/2207	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2211	CRD-SV-123/2211	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2215	CRD-SV-123/2215	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2219	CRD-SV-123/2219	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2223	CRD-SV-123/2223	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2227	CRD-SV-123/2227	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2231	CRD-SV-123/2231	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12	CRD-HCU-2235	CRD-SV-123/2235	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12	CRD-HCU-2239	CRD-SV-123/2239	A610	HVA1709662A								
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	

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WPP-2 CLASS OF EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C.	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	HS	AGING	OBJ	G	HOURS	ACCURACY		
										USE		
02C12 2 6	CRD-HCU-2243	CRD-SV-123/2243	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/844		B							
02C12 2 6	CRD-HCU-2247	CRD-SV-123/2247	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/844		B							
02C12 2 6	CRD-HCU-2251	CRD-SV-123/2251	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/844		B							
02C12 2 6	CRD-HCU-2255	CRD-SV-123/2255	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/844		B							
02C12 2 6	CRD-HCU-2259	CRD-SV-123/2259	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/844		B							
02C12 2 6	CRD-HCU-2603	CRD-SV-123/2603	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2607	CRD-SV-123/2607	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2611	CRD-SV-123/2611	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2615	CRD-SV-123/2615	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2619	CRD-SV-123/2619	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2623	CRD-SV-123/2623	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							
02C12 2 6	CRD-HCU-2627	CRD-SV-123/2627	A610	HVA1709662A						4320	1 3	
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/844		B							

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	FIG.	FIG. MODEL NO.	QID	TEST	AND	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	NS	AGING	DBE	C	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION	DRAWING										
02C12 2 6	CRD-HCU-2631 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2631 R 522 L5/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2635 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2635 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2639 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2639 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2643 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2643 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2647 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2647 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2651 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2651 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2655 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2655 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-2659 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/2659 R 522 K2/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3003 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/3003 R 522 L5/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3007 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/3007 R 522 L5/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3011 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/3011 R 522 L5/8"4	A610	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3015 .5"SOLENOID INSERT DRIVE VALVE	CRD-SV-123/3015 R 522 L5/8"4	A610	HVA1709662A				4320		1 3		

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WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID QID	TEST TEST	ANL ANL	F/O F/O	C C	FREQ FREQ	TM TM	HL HL
EC												
02C12 2 6	CRD-HCU-3019	CRD-SV-123/3019	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	G	B							
02C12 2 6	CRD-HCU-3023	CRD-SV-123/3023	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	G	B							
02C12 2 6	CRD-HCU-3027	CRD-SV-123/3027	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	G	B							
02C12 2 6	CRD-HCU-3031	CRD-SV-123/3031	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3035	CRD-SV-123/3035	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3039	CRD-SV-123/3039	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3043	CRD-SV-123/3043	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3047	CRD-SV-123/3047	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3051	CRD-SV-123/3051	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3055	CRD-SV-123/3055	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3059	CRD-SV-123/3059	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	G	B							
02C12 2 6	CRD-HCU-3403	CRD-SV-123/3403	A610	HVA1709662A						4320	1 3	
		.5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	G	B							

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REQ. PLANT LOCATION	REF. MODEL NO. DRAWING	QTY	UNIT	TEST	ANL	F70	C.	FREQ	TH	HL
									HOURS	ACCURACY			
02C12	CRD-HCU-3407	CRD-SV-123/3407	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3411	CRD-SV-123/3411	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3415	CRD-SV-123/3415	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3419	CRD-SV-123/3419	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3423	CRD-SV-123/3423	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3427	CRD-SV-123/3427	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320		1	3	
02C12	CRD-HCU-3431	CRD-SV-123/3431	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	
02C12	CRD-HCU-3435	CRD-SV-123/3435	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	
02C12	CRD-HCU-3439	CRD-SV-123/3439	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	
02C12	CRD-HCU-3443	CRD-SV-123/3443	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	
02C12	CRD-HCU-3447	CRD-SV-123/3447	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	
02C12	CRD-HCU-3451	CRD-SV-123/3451	A610	HVA1709662A									
2	6	5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320		1	3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/02 PAGE 123

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFO PLANT LOCATION	HFO MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	F70 HOURS	C FREQ	TH ACCURACY	HL
02C12 2 6	CRD-HCU-3455	CRD-SV-123/3455	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-3459	CRD-SV-123/3459	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-3803	CRD-SV-123/3803	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3807	CRD-SV-123/3807	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3811	CRD-SV-123/3811	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3815	CRD-SV-123/3815	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3819	CRD-SV-123/3819	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3823	CRD-SV-123/3823	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3827	CRD-SV-123/3827	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 6	CRD-HCU-3831	CRD-SV-123/3831	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-3835	CRD-SV-123/3835	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 6	CRD-HCU-3839	CRD-SV-123/3839	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

VHP-2 CLASS 3E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	RF6 PLANT LOCATION	RF6 MODEL NO. ROOM	QID AGE	TEST OBE	ANL C	F/O HOURS	CI ACCURACY	FMG TH	HL
EC											USE
02C12 2 6	CRD-HCU-3843	CRD-SV-123/3843	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-3847	CRD-SV-123/3847	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-3851	CRD-SV-123/3851	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-3855	CRD-SV-123/3855	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-3859	CRD-SV-123/3859	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4203	CRD-SV-123/4203	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4207	CRD-SV-123/4207	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4211	CRD-SV-123/4211	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4215	CRD-SV-123/4215	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4219	CRD-SV-123/4219	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4223	CRD-SV-123/4223	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		
02C12 2 6	CRD-HCU-4227	CRD-SV-123/4227	A610	HVA1709662A							
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4		B			4320	1 3		

WASHINGTON POWER SUPPLY SYSTEM
VNP-2 CLASS II EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	NFO. PLANT LOCATION	NFO MODEL NO. ROOM	QID QID	TEST TEST	ANL ANL	F/O F/O	C C	FREQ FREQ	TH TH	HL HL
EC										USE		
02C12 2 G	CRD-HCU-4231	CRD-SV-123/4231	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4235	CRD-SV-123/4235	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4239	CRD-SV-123/4239	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4243	CRD-SV-123/4243	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4247	CRD-SV-123/4247	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4251	CRD-SV-123/4251	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4255	CRD-SV-123/4255	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4259	CRD-SV-123/4259	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									
02C12 2 G	CRD-HCU-4607	CRD-SV-123/4607	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 G	CRD-HCU-4611	CRD-SV-123/4611	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 G	CRD-HCU-4615	CRD-SV-123/4615	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									
02C12 2 G	CRD-HCU-4619	CRD-SV-123/4619	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFO SAFETY FUNCTION	HFO MODEL NO. PLANT LOCATION	OR ROOM	QID DRAWING	TEST DOE	ANL C	F/O HOURS	ACCURACY	TH USE	HL
02C12	CRD-HCU-4623	CRD-SV-123/4623	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320	1	3	
02C12	CRD-HCU-4627	CRD-SV-123/4627	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320	1	3	
02C12	CRD-HCU-4631	CRD-SV-123/4631	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4635	CRD-SV-123/4635	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4639	CRD-SV-123/4639	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4643	CRD-SV-123/4643	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4647	CRD-SV-123/4647	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4651	CRD-SV-123/4651	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-4655	CRD-SV-123/4655	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4						4320	1	3	
02C12	CRD-HCU-5011	CRD-SV-123/5011	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320	1	3	
02C12	CRD-HCU-5015	CRD-SV-123/5015	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320	1	3	
02C12	CRD-HCU-5019	CRD-SV-123/5019	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4						4320	1	3	

WASHINGTON PUBLIC USER SUPPLY SYSTEM
HWP-2 CLASS 10 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID R	TEST K	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
02C12 2 G	CRD-HCU-5023	CRD-SV-123/5023	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 B	CRD-HCU-5027	CRD-SV-123/5027	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5031	CRD-SV-123/5031	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 B	CRD-HCU-5039	CRD-SV-123/5039	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-5043	CRD-SV-123/5043	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 B	CRD-HCU-5047	CRD-SV-123/5047	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-5051	CRD-SV-123/5051	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								
02C12 2 G	CRD-HCU-5419	CRD-SV-123/5419	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5419	CRD-SV-123/5419	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 G	CRD-HCU-5423	CRD-SV-123/5423	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								
02C12 2 B	CRD-HCU-5427	CRD-SV-123/5427	A610	HVA1709662A	B			4320	1 3		
		.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	WPP-2 PLANT LOCATION	WPP-2 ROOM	WPP-2 AGTNG	WPP-2 DRE	WPP-2 C	WPP-2 HOURS	WPP-2 ACCURACY	WPP-2 TH	WPP-2 HL
02C12	2 6	CRD-HCU-5431 CRD-SV-123/5431 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5435 CRD-SV-123/5435 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5439 CRD-SV-123/5439 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5443 CRD-SV-123/5443 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5447 CRD-SV-123/5447 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5819 CRD-SV-123/5819 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5823 CRD-SV-123/5823 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5827 CRD-SV-123/5827 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5831 CRD-SV-123/5831 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5835 CRD-SV-123/5835 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5839 CRD-SV-123/5839 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		
02C12	2 6	CRD-HCU-5843 CRD-SV-123/5843 A610 HVA1709662A .5"SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4	B				4320	1 3		

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UNP-2 CLASS 1E EQUIPMENT LIST														DATE 01/12/82		PAGE	129
CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL					
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AGE	AGE	ONE	C	HOURS	ACCURACY								
58 2 6	E-IR-63+	CSP-DPIS-4	B080	288A	086001	1 4	0.0			04		N					
	PRIMARY SECONDARY CONTAIN. IR-63	R 501 L4/943		R309 BB				4320									
				M543 C14				2 3									
58 2 6	E-IR-64+	CSP-DPIS-5	B080	288A	086001	1 4	0.0			04		N					
	ATMOS. SECONDARY CONTAIN. IR-64	R 501 N-0/5.1		R309 BB				4320									
				M543 C5				2 3									
58 2 6	E-IR-64+	CSP-DPIS-6	B080	288A	086001	1 4	0.0			04		N					
	ATMOS. SECONDARY CONTAIN. IR-64	R 501 M-8/8.8		R309 BB				4320									
				M543 C6				2 3									
68 2 B1,F	CSP-V-1+	CSP-LMS-1	N015	D2400X	200009												
	LMS FOR CSP-V-1	R 508 M-5/7.6		B				4320									
				M543 D5				2 3									
68 2 B1,F	CSP-V-2+	CSP-LMS-2	N015	D2400X	200009												
	LMS FOR CSP-V-2	R 508 M-5/7.6		B				4320									
				M543 D6				2 3									
68 2 B1,F	CSP-V-3+	CSP-LMS-3	N015	D2400X	200009												
	LMS FOR CSP-V-3	R 481 M-6/7.6		B				4320									
				M543 D5				2 3									
68 2 B1,F	CSP-V-4+	CSP-LMS-4	N015	D2400X	200009												
	LMS FOR CSP-V-4	R 478 M-6/7.6		B				4320									
				M543 C8				2 3									
68 2 B1,F	CSP-V-5+	CSP-LMS-5	N015	D2400X	200015	1 4	0.0			35		N					
	LMS FOR CSP-V-5	R 475 M-7/8.3		B				4320									
				M543 C5				2 3									
68 2 B1,F	CSP-V-6+	CSP-LMS-6	N015	D2400X	200015	1 4	0.0			35		N					
	LMS FOR CSP-V-6	R 480 M-5/7.7		B				4320									
				M543 B14				2 3									
68 2 B1,F	CSP-V-9+	CSP-LMS-9	N015	D2400X	200009												
	LMS FOR CSP-V-9	R 490 M-9/5.1		B				4320									
				M543 B6				2 3									
213 3 B1,F	E-CP-VB/1A+	CSP-RLY-10CR	S440	219 BBXP	283041												
	RLY CLOSE IND CSP-V-10	R 471 H3/8		R212 XA				4320									
		PNL VB-1A		E519/11 D3				2 3									
213 3 B1,F	E-CP-VB/1A+	CSP-RLY-10R1	O121	WE-74/EX-2	283017	2 1	0.0			33+		N					
	RLY CLOSE IND CSP-V-10	R 471 H3/8		R212 BA				4320									
		PNL VB-1A		E519/11 F4				2 3									

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UNP-2 CLASS 1C EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	REF.	REF. MODEL NO.	QID	TEST	FAULT	F/O	C	FREQ	TH	HL
LV	EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	DBL	C	HOURS	ACCURACY		
		EQUIPMENT DESCRIPTION		DRAWING						USE		
213	3	E-CP-VB/1A	CSP-RLY-10R2	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY CLOSE IND CSP-V-10	PNL VB-1A	R 471 H3/8	E519/11 E4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-10R5	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY OPEN IND CSP-V-10	PNL VB-1A	R 471 H3/8	E519/11 D4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-7CR	S440	219 88XP	283041						
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 D3	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-7R1	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 F4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-7R2	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 E4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-7R5	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY OPEN IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 D4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-8CR	S440	219 88XP	283041						
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 D3	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-8R1	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 F4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-8R2	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 E4	4320				2 3		
213	3	E-CP-VB/1A	CSP-RLY-8R5	D121	WE-74/EX-2	283017	2 1	0.0		33+	N	
		RLY OPEN IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 D4	4320				2 3		
58	3	E-IR-64	CSP-SPV-9	F120	67ER	315015	2 1	0.0		33+	N	
		SOLENOID PILOT FOR CSP-V-9 IR-64	R 501 N.0/5.1	M543	R6	4320				2 3		
49	2	E-MC-8B	E-CB-MC/8B/A	1005	TYPE H							
		BRKR TO E-MC-8BA	R 522 N.0/3.8	E503/8		4320				1 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID AGING	TEST DUE	ANL C	F70 HOURS	C. FREQ	ACCURACY	TH HL
49 2	H	E-MC-8B+ BRKR TO E-MC-8BB	E-CB-MC/8B/B R 522 H 0/348	1005 E503/8	TYPE M			4320	1	3	
49 2	H	E-MC-7B+ BRKR TO E-MC-7BA	E-CB-MC7BA R 522 H 4/841	1005 E503/8				4320	1	3	
49 2	H	E-MC-7B+ BRKR TO E-MC-7BB	E-CB-MC7BB R 522 H 4/841	1202 E503/8				4320	1	3	
47A 2	E	E-SH-9+ DUAL TRIP BRKR TO RRC-P-1A	E-CB-RPT3A R 475 L 9/943	W120 E502/4 J14	24Y9836B11	045007	DN	4320	2	0	F
47A 2	E	E-SH-10+ DUAL TRIP BRKR TO RRC-P-1B	E-CB-RPT3B R 475 K 3/940	W120 E502/4 J8	24Y9836B11	045007	DN	4320	2	0	F N
47A 2	E	E-SH-11+ DUAL TRIP BRKR TO RRC-P-1A	E-CB-RPT4A R 522 H 7/648	W120 E502/4 G14	24Y9836B11	045007	DN	4320	2	0	F N
47A 2	E	E-SH-12+ DUAL TRIP BRKR TO RRC-P-1B	E-CB-RPT4B R 522 H 7/648	W120 E502/4 H8			DN	4320	2	0	F N
55 3	H	E-CONN-X100A/01 CONNECTOR	A380 C 507 98 D AZ	AMPHENOL JACK#82-503 R40 E539/30	049001	RA		4320	1	3	
55 3	H	E-CONN-X100A/02 CONNECTOR	A380 C 507 98 D AZ	AMPHENOL PLUG#28650 R40 E539/30	049002	RA		4320	1	3	
55 3	H	E-CONN-X100B/01 CONNECTOR	A380 C 507 102 D AZ	AMPHENOL JACK#82-503 R40 E539/30	049001	RA		4320	1	3	
55 3	H	E-CONN-X100B/02 CONNECTOR	A380 C 507 102 D AZ	AMPHENOL PLUG#28650 R40 E539/30	049002	RA		4320	1	3	
55 3	H	E-CONN-X100C/01 CONNECTOR	A380 C 511 315 D AZ	AMPHENOL JACK#82-503 R40 E539/30	049001	RA		4320	1	3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. SAFETY FUNCTION	MFG. MODEL NO. PLANT LOCATION	QID ROOM	TEST AGEING	ANL DRE	F/O C	FREQ HOURS	FM ACCURACY	HL USE
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55	3 H	E-CONN-X100C/02	A380	AMPHENOL PLUG 28650	049002						
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CONNECTOR

4320

1 3

55	3 H	E-CONN-X100D/01	A380	AMPHENOL JACK 852-503	049001						
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CONNECTOR

4320

1 3

55	3 H	E-CONN-X100D/02	A380	AMPHENOL PLUG 28650	049002						
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CONNECTOR

4320

1 3

218	3 H	E-CONN-X102A/01	A382	SOLIDSTRAND 34130	049006						
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CONNECTOR (SPLICE)

4320

1 3

218	3 H	E-CONN-X102A/02	R098	MCSF-N SHRINK TUBE	049007						
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CONNECTOR

4320

1 3

218	3 H	E-CONN-X102B/01	A382	SOLIDSTRAND 34130	049006						
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CONNECTOR (SPLICE)

4320

1 3

218	3 H	E-CONN-X102B/02	R098	MCSF-N SHRINK TUBE	049007						
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CONNECTOR

4320

1 3

1	D	E-CP-CAC/HR1A+	A136	S/N P-2040							
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HYDROGEN RECOMBINER CONTROL PNL 1A

71-00-0184

1 0

1	D	E-CP-CAC/HR1B+	A136	S/N P-2041							
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HYDROGEN RECOMBINER CONTROL PNL 1B

71-00-0104

1 0

218	1 H	E-CP-VB/1A+	R/471 H7/8.3								
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VAC BRKR RELY PNL

E545/158

1 1

49	3 H	E-MC-8BB+	E-EMSQ-CACFN1B	I202	CN 5641-DBDAR	117004					
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MEAN SQ VLT DEVICE

E503/12

4320

1 0

49	3 H	E-MC-8BB+	E-EMSQ-SGTFN1A2	I202	5641-DACAB	117004					
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MEAN SQ VLT DEVICE

E503/12

4320

1 0

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SHEET FUNCTION	EQUIPMENT NO.	MF8	MF8 MODEL NO.	BID	TEST	ANL	F70	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRWING	AS	ONE	C	HOURS	ACCURACY	USE		
02	E-IR-P001+	0082			185003	2 1	0.3				F	N
1 H		R 471 K7/4.2	M208	AA				1.0				
		M568 D13										
02	E-IR-P002+	0082			185003	2 1	0.3				F	N
1 H		R 522 N7/5.0	R408	AA				2.3				
		M569 D10										
02	E-IR-P004+	0082			185003	2 1	0.3				F	N
1 H		R 522 J5/7.2		AA				1.3				
		M569 D13										
02	E-IR-P005+	0082			185003	2 1	0.3				F	N
1 H		R 522 H.7/5.6	R404	AA				1.3				
		M569 F9										
02	E-IR-P006+	0082			185003	2 1	0.3				F	N
1 H		R 471 L5/4.1		AA				2.3				
		M568 H12										
02	E-IR-P008+	0082			185003	2 1	0.3				F	N
1 H		R 522 N7/9.3	R404	AA				1.3				
		M569 C18										
02	E-IR-P009+	0082			185003	2 1	0.3				F	N
1 H		R 471 J7/8.8		AA				2.2				
		M568 D13										
02	E-IR-P010+	0082			185003	2 1	0.3				F	N
2 H		R 471 M5/4.5		AA				2.2				
		M568 G11										
02	E-IR-P011+	0082			185003	2 1	0.3				F	N
1 H		R 568 M8/4.3	M504	AA				2.3				
		M569 G4										
02	E-IR-P015+	0082			185003	2 1	0.3				F	N
1 H		R 501 H7/7.3	R305	AA				1.3				
		M568 E8										
02	E-IR-P017+	0082			185003	2 1	0.3				F	N
1 H		R 471 L7/8		AA				2.2				
		M568 D12										
02	E-IR-P018+	0080			185003	2 1	0.3				F	N
1 H		R 501 J.5/3.8		AA				1.3				
	RHR-INST RACK DIV 1		M568									

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-CLASS-1F EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HF# PLANT LOCATION	HF# MODEL NO. DRAWING	QID AGE	TEST OBS	ANL C	F/O HOURS	FREQ ACCURACY	TH USE	HL
02	1 H	E-IR-P021+	G082	R 501 H9/9.3	R305	AA	185003	2 1	0.3	F	N
				M568 CB						1 3	
02	1 H	E-IR-P022+	G082	R 471 H5/7.9	R305	AA	185003	2 1	0.3	F	N
				M568 D11						2 3	
02	1 H	E-IR-P024+	G080	R 471 L2/3.4		A				1 3	
				M568							
02	1 H	E-IR-P025+	G082	R 501 L9/3.7	R305	AA	185003	2 1	0.3	F	N
				M568 H5						1 3	
02	1 H	E-IR-P026+	G082	R 522 J8/4.6	R404	AA	185003	2 1	0.3	F	N
				M569 G13						1 3	
02	1 H	E-IR-P027+	G082	R 522 H0/6.6	R404	AA	185003	2 1	0.3	F	N
				M569 E77						1 3	
02	1 H	E-IR-P029+	G082	R 471 K9/3.8	R206	AA	185003	2 1	0.3	F	N
				M568 H12						1 0	
02	1 H	E-IR-P030+	G082	R 501 L6/3.5	R305	AA	185003	2 1	0.3	F	N
				M568 H6						1 3	
02	1 H	E-IR-P032+	G082	R 501 L5/3.5	R305	AA	185003	2 1	0.3	F	N
				M568 H5						1 3	
02	1 H	E-IR-P033+	G083	R 501 H8/8.3		AA	185003	2 1	0.3	F	N
				M568 DB						1 3	
02	1 H	E-IR-P039+	G082	R 522 H7/7		AA		2 1	0.3	F	N
				M569 E10						1 0	
02	1 H	E-IR-P040+	G082	R 522 H2/4.2		AA		2 1	0.3	F	N
				M569 H10						1 0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DEF	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC									USE		
58 1 H		E-IR-61+	R 422 N1/315	M567 H10	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV II							1 0		
58 1 H		E-IR-62+	R 471 H4/648	M568 E14	AA	185002	2 1	0.1	33	F	N
		IR BLDG INSTRU RACK DIV I							1 0		
58 1 H		E-IR-63+	R 501 J035	M568 C6	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV II							1 0		
58 1 H		E-IR-64+	R 501 N7488	M568 C4	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV II							1 0		
58 1 H		E-IR-65+	R 471 N/4	M568 H10	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV I							1 0		
58 1 H		E-IR-66+	R 501 N82513	M568 F3	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV I							1 0		
58 1 H		E-IR-67+	R 548 H8/567	M569 F4	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV I							1 0		
58 1 H		E-IR-68+	R 548 H7/8.1	M569 D8	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV II							1 0		
58 1 H		E-IR-69+	R 522 N/8.1	M569 D10	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV II							1 0		
58 1 H		E-IR-70+	R 522 J/4	M569 H14	AA	185002	2 1	0.1	33	F	N
		RCC INSTRU RACK DIV II							2 3		
58 1 H		E-IR-71+	R 522 J/6.7	M569 E14	AA	185002	2 1	0.1	33	F	N
		R BLDG INSTRU RACK DIV I							2 3		
58 1 H		E-IR-72+	R 522 J7/8.3	M569 D13	AA	185002	2 1	0.1	33	F	N
		CONT INSTRU AIR INSTRU RACK							2 3		

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	RFG.	TYPE MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
LV	EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	APNO	OBE	C	HOURS	ACCURACY		
		EQUIPMENT DESCRIPTION		DRAWING								
58	1	H	E-IR-73+	R 522 H4/4.2	M404	AA	185002	2 1	0.1	33	F	N
		MSIV LEAKAGE CONTROL IR		M569 618						1 0		
58	1	H	E-IR-74+	R 522 H4/7	R486	AA	185002	2 1	0.1	33	F	N
		MSIV LEAKAGE CONTROL IR		M569 E14						1 0		
49	1	H	E-MC-S2/1A+	R 471 H4/7/7.8	R208	AA	216001	2 5	0.0	08	F	N
		MOTOR CONTROL CENTER S2-1A		E505 614						1 3		
49	1	H	E-MC-78+	R 522 H45/8.3	R411	AA	216001	2 5	0.0	08	F	N
		MOTOR CONTROL CENTER 78		E503/8 612						2 3		
49	1	H	E-MC-78A+	R 522 H47/8.3	R211	AA	216001	2 5	0.0	08	F	N
				E503/7 K12						2 3		
49	1	H	E-MC-78B+	R 572 H44/5.8	R611	AA	216001	2 5	0.0	08	F	N
				E503						2 3		
49	1	H	E-MC-88+	R 522 H40/3.5	R410	AA	216001	2 5	0.0	08	F	N
		MOTOR CONTROL CENTER 88		E503/8C12						2 3		
49	1	H	E-MC-88A+	R 522 H40/3.9	R410	AA	216001	2 5	0.0	08	F	N
				E503/7 H12						2 3		
49	1	H	E-MC-88B+	R 572 H47/6.2	R612	AA	216001	2 5	0.0	08	F	N
				E503/12 F12						2 3		
218	1	H	E-PP-7AE+	R 474 H2/9.3	R206	AA	252002	2 1	0.0	10		N
				E508/1						1 3		
218	1	H	E-PP-8AE+	R 474 8.5/N		AA	252002	2 1	0.0	10		N
				E508/1						1 3		
49	3	D	E-MC-78B+	R 572 H44/5.8			21988XP			4320		
		RELAY CUB/2F		E535/44A-E						1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	WFO. PLANT LOCATION DRAWING	WFO MODEL NO. ROOM	QID AGEING	TEST DRE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL USE
49 3 D	E-MC-8BB+	E-RLY-CACEN1B RELAY CUB/80	S440 R 572 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 C	E-MC-7BA+	E-RLY-LPCSFV11 RELAY CUB/1B	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 C	E-MC-7BA+	E-RLY-LPCSV1 RELAY CUB/1B	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 C	E-MC-7BA+	E-RLY-LPCSV12 RELAY CUB/1B	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	2 0		
49 3 C	E-MC-7BA+	E-RLY-LPCSV5 RELAY CUB/1B	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCHTRA RELAY CUB/80	S440 R 522 H.7/8.3	219BBXP E535/43A-H				24	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCHTRB RELAY CUB/80	S440 R 522 H.7/8.3	219BBXP E535/43A-H				24	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCHTRC RELAY CUB/80	S440 R 522 H.7/8.3	219BBXP E535/43A-H				24	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCHTRD RELAY CUB/80	S440 R 522 H.7/8.3	219BBXP E535/43A-H				24	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCV1A RELAY CUB/4C	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCV1B RELAY CUB/4C	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		
49 3 F	E-MC-7BA+	E-RLY-MSLCV1C RELAY CUB/4C	S440 R 522 H.7/8.3	219BBXP E535/43A-H				4320	1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF84 PLANT LOCATION	MF8 MODEL NO. DRAWING	QID AGEING	TEST DRE	ANL C	F70 HOURS	CT ACCURACY	FREQ TH	HL
49	E-MC-7BA+	E-RLY-MSLCV10	S440	219BBXP							
3	F	RELAY: CUB/4C	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-8B+	E-RLY-MSLCV10	S440	219BBXP							
3	F	RELAY: CUB/7E	R: 522 H.0/3.5	E535/44A-F	G			4320	1 0		
49	E-MC-8B+	E-RLY-MSLCV12	S440	219BBXP							
3	F	RELAY: CUB/7E CTRL 2A+B,C,D	R: 522 H.0/3.5	E535/54A-F	H			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV2A	S440	219BBXP							
3	F	RELAY: CUB/8D	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV2B	S440	219BBXP							
3	F	RELAY: CUB/4C	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV2C	S440	219BBXP							
3	F	RELAY: CUB/8D	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV2D	S440	219BBXP							
3	F	RELAY: CUB/4C	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV3A	S440	219BBXP							
3	F	RELAY: CUB/8D	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV3B	S440	219BBXP							
3	F	RELAY: CUB/8D	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV3C	S440	219BBXP							
3	F	RELAY: CUB/8D	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-7BA+	E-RLY-MSLCV3D	S440	219BBXP							
3	F	RELAY: CUB/4C	R: 522 H.7/8.3	E535/43A-H	A			4320	1 0		
49	E-MC-8B+	E-RLY-MSLCV4	S440	219BBXP							
3	F	RELAY: CUB/7E	R: 522 H.0/3.5	E535/54A-F	G			4320	1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGEING	TEST OBS	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
49	E-MC-8B+	E-RLY-MSLCW5	S440	219BBXP							
3 F	RELAY CUB/7E	R 522 H.0/3.5	E535/55A-F					4320		1.0	
49	E-MC-8B+	E-RLY-MSLCW9	S440	219BBXP							
3 F	RELAY CUB/7E	R 522 H.0/3.5	E535/55A-F					4320		1.0	
49	E-MC-8BA+	E-RLY-RCICV63	S440	219BBXP							
3 B1+C	RELAY CUB/7C	R 522 H.0/3.5	E535/55A-F					24		2.1	
49	E-MC-7BA+	E-RLY-RHRV11A	S440	219BBXP							
3 B1+C,E	RELAY CUB/4C	R 522 H.7/8.3	E535/43A-H					4320		1.1	
49	E-MC-8BA+	E-RLY-RHRV11B	S440	219BBXP							
3 B1+C,E	RELAY CUB/7C	R 522 H.0/3.5	E535/55A-F					4320		1.1	
49	E-MC-7BB+	E-RLY-RHRV16A	S440	219BBXP							
3 B1+C,E	RELAY CUB/8B	R 522 H.4/5.8	E535/44A-E					24		1.0	
49	E-MC-8BA+	E-RLY-RHRV16B	S440	219BBXP							
3 B1+C,E	RELAY CUB/7C	R 522 H.0/3.5	E535/55A-F					24		1.0	
49	E-MC-7BB+	E-RLY-RHRV17A	S440	219BBXP							
3 B1+C,E	RELAY CUB/8B	R 522 H.4/5.8	E535/44A-E					24		1.0	
49	E-MC-8BA+	E-RLY-RHRV17B	S440	219BBXP							
3 B1+C,E	RELAY CUB/7C	R 522 H.0/3.5	E535/55A-F					24		1.0	
49	E-MC-8BA+	E-RLY-RHRV21	S440	219BBXP							
3 B1+C,E	RELAY CUB/7C	R 522 H.0/3.5	E535/55A-F					4320		1.0	
49	E-MC-7BA+	E-RLY-RHRV24A	S440	219BBXP							
3 B1+C,E	RELAY CUB/1B	R 522 H.7/8.3	E535/43A-H					4320		1.0	
49	E-MC-7BA+	E-RLY-RHRV24B	S440	219BBXP							
3 B1+C,E		R 522 H.0/3.5	E535/55A-F					4320		1.0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 140

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. DRAWING	QID Q5	TEST ASING	ANL ORF	F/O C	FREQ TH	HL
									USE	
49	E-MC-7BA*	E-RLY-RHRV26A	S440	219BBXP						
3	C/E	RELAY CUB/4C	R 522 H.7/843	E535/43A-H					4320	1 1
49	E-MC-8BA*	E-RLY-RHRV26B	S440	219BBXP						
3	C/E	RELAY CUB/7C	R 522 H.8/349	E535/53A-F					4320	1 1
49	E-MC-7BA*	E-RLY-RHRV27A	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.7/843	E535/43A-H					24	1 0
49	E-MC-8BA*	E-RLY-RHRV27B	S440	219BBXP						
3	B1, C/E	RELAY CUB/7C	R 522 H.8/349	E535/53A-F					24	1 0
49	E-MC-7BB*	E-RLY-RHRV3A	S440	219BBXP						
3	C/E	RELAY CUB/8B	R 572 H.4/548	E535/44A-E					4320	1 3
49	E-MC-7BB*	E-RLY-RHRV3B	S440	219BBXP						
3	C/E	RELAY CUB/8B	R 572 H.4/548	E535/56A-E					4320	1 3
49	E-MC-7BA*	E-RLY-RHRV4A	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.7/843	E535/43A-H					4320	2 0
49	E-MC-8BA*	E-RLY-RHRV4B	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.8/349	E535/55A-F					4320	1 0
49	E-MC-8BA*	E-RLY-RHRV4C	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.8/349	E535/55A-F					4320	1 0
49	E-MC-7BA*	E-RLY-RHRV42A	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.7/843	E535/43A-H					4320	1 0
49	E-MC-8BA*	E-RLY-RHRV42B	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.8/349	E535/55A-F					4320	1 0
49	E-MC-8BA*	E-RLY-RHRV42C	S440	219BBXP						
3	B1, C/E	RELAY CUB/1B	R 522 H.8/349	E535/55A-F					4320	1 0

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House Energy Form No. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NPP-2 CLASS 1E EQUIPMENT LIST

DATE 05/12/82 PAGE 142

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	RFQ SAFETY FUNCTION	RFQ MODEL NO. PLANT LOCATION	QID ROOM	TEST ACTIONS	ANL DURATION	FREQ HOURS	TH ACCURACY	HL
										USE
49		E-MC-7BB+	E-RLY-RHRV87A	S440	219BBXP					
3	C/E	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E				4320	1 1	
49		E-MC-8BB+	E-RLY-RHRV87B	S440	219BBXP					
3	C/E	RELAY CUB/8C	R 572 N.7/8.2	E535/44A-E				4320	1 1	
49		E-MC-8BA+	E-RLY-RHRV9	S440	219BBXP					
3	D/F	RELAY CUB/1B	R 522 N.0/3.9	E535/55A-F				4320	1 3	
49		E-MC-8BB+	E-RLY-SGT/5A2	S440	219BBXP					
3	D/F	RELAY CUB/8D SGT/5A2 FN3A2 INTCON	R 572 N.7/8.2	E535/56A-E				4320	1 0	
49		E-MC-8BB+	E-RLY-SGTEHC1A2	S440	219BBXP					
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E				4320	1 0	
49		E-MC-8BB+	E-RLY-SGTEHC1B2	S440	219BBXP					
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E				4320	1 0	
49		E-MC-7BB+	E-RLY-SGTEH1A1	S440	219BBXP					
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E				4320	1 0	
49		E-MC-7BB+	E-RLY-SGTEH1B1	S440	219BBXP					
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E				4320	1 0	
49		E-MC-7BB+	E-RLY-SGTFN1A1	S440	219BBXP					
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E				4320	1 0	
49		E-MC-8BB+	E-RLY-SGTFN1B2	S440	219BBXP					
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E				4320	1 0	
49		E-MC-7BB+	E-RLY-SGTFN1B1	S440	219BBXP					
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E				4320	1 0	
49		E-MC-8BB+	E-RLY-SGTFN1B2	S440	219BBXP					
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E				4320	1 0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 143

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID RATING	TEST DME	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
49	E-MC-7BB+	E-RLY-SGTIK2B1	S440	0198XP						
3	D.F.	RELAY CUB/1B	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV1A	S440	2198XP						
3	D.F.	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV3A1	S440	2198XP						
3	D.F.	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-8BB+	E-RLY-SGTIV3A2	S440	2198XP						
3	D.F.	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV3B1	S440	2198XP						
3	D.F.	RELAY CUB/2E	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-8BB+	E-RLY-SGTIV3B2	S440	2198XP						
3	D.F.	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV4A1	S440	2198XP						
3	D.F.	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-8BB+	E-RLY-SGTIV4A2	S440	2198XP						
3	D.F.	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV4B1	S440	2198XP						
3	D.F.	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-8BB+	E-RLY-SGTIV4B2	S440	2198XP						
3	D.F.	RELAY CUB/8C	R 572 N.7/8.2	E535/56A-E	0			4320	1 0	
49	E-MC-7BB+	E-RLY-SGTIV5A1	S440	2198XP						
3	D.F.	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E	0			4320	1 0	
49	E-MC-8BB+	E-RLY-SGTIV5A2	S440	2198XP						
3	D.F.	RELAY CUB/8C	R 572 N.7/8.2	E535/56A-E	0			4320	1 0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 144

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WPP-2 PLANT LOCATION	MODEL NO. DRAWING	Q10 AGE	TEST DUE	ANL C	F/D HOURS	C ACCURACY	FREQ TH	HL
49 3	D.F	E-MC-7BB+ RELAY CUB/8B	E-RLY-SGTV5B1 R 572 H 4/7/81	S440 291BBXP				4320	1 0		
49 3	D.F	E-MC-8BB+ RELAY CUB/8C	E-RLY-SGTV5B2 R 572 H 7/6/82	S440 219BBXP				4320	1 0		
49 3	A	E-MC-7B+ RELAY CUB/8A	E-RLY-SLCP1A R 522 H 4/7/81	S440 219BBXP				4320	1 0		
49 3	A	E-MC-8B+ RELAY CUB/7E	E-RLY-SLCP1B R 522 H 0/3/85	S440 219BBXP				4320	1 0		
49 3	A	E-MC-7B+ RELAY CUB/8A	E-RLY-SLCV1A R 522 H 5/8/83	S440 219BBXP				4320	1 0		
49 3	C/D	E-MC-7B+ RELAY CUB/8A	E-RLY-SNV44 R 522 H 5/8/83	S440 219BBXP				4320	1 0		
47A 1	H	E-SH-10+ 75-DHP-500	W120 R 471 L 2/9/80	75-DHP-500 E502/4 J0	305001	DN			2 3	F	N
47A 1	H	E-SH-11+ 75-DHP-500	W120 R 522 H 8/7/84	75-DHP-500 E502/4 J14	305001	DN			2 3	F	N
47A 1	H	E-SH-12+ 75-DHP-500	W120 R 522 H 5/8/80	75-DHP-500 E502/4 H8	305001	DN			2 3	F	N
47A 1	H	E-SH-9+ 75-DHP-500	W120 R 471 K 3/9/80	75-DHP-500 E502/4 J14	305001	DN			2 3	F	N
218 2	H	E-ELP-7BA+ ELP-7B-A TRANSFORMER	E-TR-7BA R 606 J 6/3/87	S250 122091-3	349004	BR	2 1	0.0	24	76	F N
218 2	H	E-ELP-7BB+ ELP-7B-B TRANSFORMER	E-TR-7BB R 478 H 4/3/80	S258 124176-12	349007	BR	2 1	0.0	24	76	F N

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 145

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	NFO PLANT LOCATION	NFO MODEL NO. ROOM	QID ASING	TEST DRE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
				DRAWING						USE	
55		E-TRB-X104A/01	C754	CURTIS BBT-17							
3	H	TERMINAL BLOCK FOR X-104A/01	C 502:109 D AZ	S796				4320		2 3	
55		E-TRB-X104B/01	C754	CURTIS BBT-17							
3	H	TERMINAL BLOCK FOR X-104B/01	C 501:110 D AZ	S796				4320		2 3	
55		E-TRB-X104C/01	C754	CURTIS BBT-17							
3	H	TERMINAL BLOCK FOR X-104C/01	C 522:108 D AZ	S796				4320		2 3	
55		E-TRB-X104D/01	C754	CURTIS BBT-17							
3	H	TERMINAL BLOCK FOR X-104D/01	C 522:223 D AZ	S796				4320		2 3	
55		E-TRB-X105A/01	T282	TRW-CINCH #27-541							
3	H	TERMINAL BLOCK FOR X-105A/01	C 501:100 D AZ	S796				4320		2 3	2
55		E-TRB-X105A/02	T282	TRW-CINCH #13-541							
3	H	TERMINAL BLOCK FOR X-105A/02	C 501:100 D AZ	S797				4320		2 3	
55		E-TRB-X105B/01	T282	TRW-CINCH #27-541							
3	H	TERMINAL BLOCK FOR X-105B/01	C 501:135 D AZ	S797				4320		2 3	
55		E-TRB-X105B/02	T282	TRW-CINCH #13-541							
3	H	TERMINAL BLOCK FOR X-105B/02	C 501:135 D AZ	S797				4320		2 3	
55		E-TRB-X105C/01	T282	TRW-CINCH #27-541							
3	H	TERMINAL BLOCK FOR X-105C/01	C 523:195 D AZ	S797				4320		2 3	
55		E-TRB-X105C/02	T282	TRW-CINCH #13-541							
3	H	TERMINAL BLOCK FOR X-105C/02	C 523:195 D AZ	S797				4320		2 3	
55		E-TRB-X105D/01	T282	TRW-CINCH #27-541							
3	H	TERMINAL BLOCK FOR X-105D/01	C 501:225 D AZ	S797				4320		2 3	
55		E-TRB-X105D/02	T282	TRW-CINCH #13-541							
3	H	TERMINAL BLOCK FOR X-105D/02	C 501:225 D AZ	S797				4320		2 3	

Moore Business Forms, Inc. 15

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WPP-2 CLASS 15 EQUIPMENT LIST

DATE 01/12/82 PAGE 146

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	WFO PLANT LOCATION	WPP MODEL NO. DRAWING	QID AGEING	TEST OFF	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
55	3	E-TRB-X107A/01	C754	CURTIS 8BT-15	352001						
		TERMINAL BLOCK FOR X-107A/01	C 501 52 D AZ	S797	RM			4320	2 3		
55	3	E-TRB-X107A/02	T282	TRM-CINCH W25-541	352004						
		TERMINAL BLOCK FOR X-107A/02	C 501 52 D AZ	S797	RM			4320	2 3		
55	3	E-TRB-X107B/01	C754	CURTIS 8BT-15	352001						
		TERMINAL BLOCK FOR X-107B/01	C 411 150 D AZ	S797	RM			4320	2 3		
55	3	E-TRB-X107B/02	T282	TRM-CINCH W25-541	352004						
		TERMINAL BLOCK FOR X-107B/02	C 411 150 D AZ	S797	RM			4320	2 3		
55	3	E-X-100A	W120	55-00-0002	382003						
		NEUTRON MONITOR ELECTRICAL PENET	C 501 98 D AZ	S796	BA			4320	2 3		
55	3	E-X-100B	W120	55-00-0002	382003						
		NEUTRON MONITOR ELECTRICAL PENET	C 501 105 D AZ	S796	BA			4320	2 3		
55	3	E-X-100C	W120	55-00-0002	382003						
		NEUTRON MONITOR ELECTRICAL PENET	C 501 316 D AZ	S796	BA			4320	2 3		
55	3	E-X-100D	W120	55-00-0002	382003						
		NEUTRON MONITOR ELECTRICAL PENET	C 501 330 D AZ	S796	BA			4320	2 3		
55	3	E-X-101A	W120	55-00-0002	382003						
		CRD POS INDIC ELECTRICAL PENET	C 501 130 D AZ	S796	BA			4320	2 3		
55	3	E-X-101B	W120	55-00-0002	382003						
		CRD POS INDIC ELECTRICAL PENET	C 501 140 D AZ	S796	BA			4320	2 3		
55	3	E-X-101C	W120	55-00-0002	382003						
		CRD POS INDIC ELECTRICAL PENET	C 501 312 D AZ	S796	BA			4320	2 3		
55	3	E-X-101D	W120	55-00-0002	382003						
		CRD POS INDIC ELECTRICAL PENET	C 501 320 D AZ	S796	BA			4320	2 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	RTD AGING	TEST DHS	ANL C	P/O HOURS	C ACCURACY	FREQ USE	TH	HL
55		E-X-102A	W120	55-00-0002	382003							
3	H	T/C AND RTD ELECTRICAL PENETRATION	C 522 183 D AZ	8796	BA			4320		2 3		
55		E-X-102B	W120	55-00-0002	382003							
3	H	T/C AND RTD ELECTRICAL PENETRATION	C 522 220 D AZ	8796	BA			4320		2 3		
55		E-X-103A	W120	55-00-0002	382003							
3	H	MED VOLTAGE POWER ELECTRICAL PENET	C 522 208 D AZ	8796	BA			4320		2 3		
55		E-X-103B	W120	55-00-0002	382003							
3	H	MED VOLTAGE POWER ELECTRICAL PENET	C 522 213 D AZ	8796	BA			4320		2 3		
55		E-X-103C	W120	55-00-0002	382003							
3	H	MED VOLTAGE POWER ELECTRICAL PENET	C 522 305 D AZ	8796	BA			4320		2 3		
55		E-X-103D	W120	55-00-0002	382003							
3	H	MED VOLTAGE POWER ELECTRICAL PENET	C 522 325 D AZ	8796	BA			4320		2 3		
55		E-X-104A	W120	55-00-0002	382003							
3	H	LOW VOLTAGE POWER ELECTRICAL PENET	C 501 109 D AZ	8796	BA			4320		2 3		
55		E-X-104B	W120	55-00-0002	382003							
3	H	LOW VOLTAGE POWER ELECTRICAL PENET	C 501 110 D AZ	8796	BA			4320		2 3		
55		E-X-104C	W120	55-00-0002	382003							
3	H	LOW VOLTAGE POWER ELECTRICAL PENET	C 522 188 D AZ	8796	BA			4320		2 3		
55		E-X-104D	W120	55-00-0002	382003							
3	H	LOW VOLTAGE POWER ELECTRICAL PENET	C 522 223 D AZ	8796	BA			4320		2 3		
55		E-X-105A	W120	55-00-0002	382003							
3	H	CONTROL AND INDIC ELECTRICAL PENET	C 501 100 D AZ	8797 F8	BA			4320		2 3		
55		E-X-105B	W120	55-00-0002	382003							
3	H	CONTROL AND INDIC ELECTRICAL PENET	C 501 135 D AZ	8796	BA			4320		2 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF9 PLANT LOCATION	MF8 MODEL NO. ROOM	QID AGTH	TEST DBF	ANL D	IF70 HOURS	C FREQ	TH ACCURACY	HL
EC											USE
55 3	H	E-X-105C CONTROL AND INDIC ELECTRICAL PENET	W120 C 523-195 D/AZ	55-80-8002 5796	382003 BA			4320		2.3	
55 3	H	E-X-105D CONTROL AND INDIC ELECTRICAL PENET	W120 C 501-225 D/AZ	55-80-8002 5796	382003 BA			4320		2.3	
85 3	H	E-X-107A LO VOLT PWR/CNTL/IND ELECT PENET	W120 C 501-52 D/AZ	55-80-8002 5796	382003 BA			4320		2.3	
55 3	H	E-X-107B LO VOLT PWR/CNTL/IND ELECT PENET	W120 C 411-250 D/AZ	55-80-8002 5796 F15	382003 BA			4320		2.3	
49 2	H	E-MC-78B+ DISC TO CAC-EHC-1A	E-42-CAC/EHC1A R 572 H.7/6.0	1005 E503/12	TYPE 0 0			4320		1.0	
49 2	H	E-MC-88B+ DISC TO CAC-EHC-1B	E-42-CAC/EHC1B R 572 H.5/7.8	1005 E503/12	TYPE 0 0			4320		1.0	
49 2	H	E-MC-78B+ NEMA 2 MOTOR STARTER TO CAC-FN-1A	E-42-CAC/FN1A R 572 H.7/6.0	1005 E503/12	TYPE 0 0			4320		1.0	
49 2	H	E-MC-88B+ NEMA 1 MOTOR STARTER CAC-FN-1B	E-42-CAC/FN1B R 572 H.7/6.0	1005 E503/12	TYPE 0 0			4320		1.0	
49 2	D	E-MC-78B+ FEEDER TO RECOMBINER VLV ACTUATORS	E-42-CAC/LA FOR R 572 H.4/5.8	1005 E503/12	TYPE 10 0			4320		1.0	
49 2	D	E-MC-88B+ FEEDER TO RECOMBINER VLV ACTUATORS	E-42-CAC/LB FOR R 572 H.7/8.2	1005 E503/12	TYPE 0 0			4320		1.0	
49 2	H	E-42-CAC/ENC1A R 572 H.7/6.0	1005 TYPE 0					4320		1.0	
49 2	H	E-42-CIA/V20 R 522 H.4/8.1	1005 TYPE 0					4320		1.3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF# PLANT LOCATION	MF# MODEL NO. ROOM	QIO AGTNG	TEST DRE	ANL C	F70 HOURS	C FREQ	TH ACCURACY	HL
EC				DRAWING						USE	
49 2 H		E-42-CIA/V30A R 522 H4/8.1	1005	TYPE D E503/7				4320	1 3		F
49 2 H		E-42-CIA/V30B R 522 N0/3.8	1005	TYPE D E503/7	035024			4320	1 3		F
49 2 J,F,B1	E-MC-8BA+	E-42-FPC/V153 NEMA 1 MTR STR FPC-V-153	1005	TYPE D E503/7	035026			4320	2 3		
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V154 NEMA 1 MTR STR FPC-V-154	1005	TYPE D E503/7	035026			4320	2 3		
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V156 NEMA 1 MTR STR FPC-V-156	1005	TYPE D E503/7	035026			4320	2 3		
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V172 NEMA 1 MTR STR FPC-V-172	1005	TYPE D E503/7				4320	2 3		
49 2 J,F,B2	E-MC-8BA+	E-42-FPC/V173 NEMA 1 MTR STR FPC-V-173	1005	TYPE D E503/7				4320	2 3		
49 2 H	E-MC-8BA+	E-42-FPC/V175 NEMA 1 MTR STR FPC-V-175	1005	TYPE D E503/7				4320	2 3		
49 2 G	E-MC-7BA+	E-42-FPC/V181A NEMA 1 MOTOR STARTER FOR FPC-V181A	1005	TYPE D E503/7				4320	2 3		F
49 2 J,F,B2	E-MC-8BA+	E-42-FPC/V181B NEMA 1 MTR STR FPC-V-181	1005	TYPE D E503/7				4320	2 3		
49 2 B1	E-MC-8BA+	E-42-FPC/V184 NEMA 1 MOTOR STARTER FOR FPC-V-184	1005	TYPE D E503/7				4320	2 3		F
49 2 H	E-MC-7BA+	E-42-LPCS/FCV11 NEMA 1 MTR STR LPCS-FCV-11	1005	TYPE D E503/7				4320	1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS 1B EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	NS	AGING	DBE	C	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION	DRAWING										
49	E-MC-7B+	E-42-LPCS/P2	1005	TYPE A4								
2	H	NEHA2 MTR STR LPCS-P-2	R 522 H43/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-LPCS/V1	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-1	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-LPCS/V12	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-12	R 522 H47/843	E503/7				4320		2 0		
49	E-MC-7BA+	E-42-LPCS/V5	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-5	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V16	1005	TYPE D								F
2	H		R 522 H87/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67A	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67A	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67B	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67B	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67C	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67C	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67D	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67D	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MSLC/FN1	1005	TYPE A								
2	H	NEHA1 MTR STR MSLC-FN-1	R 526 H47/843	E503/7				24		1 0		
49	E-MC-8B+	E-42-MSLC/FN2	1005	TYPE D								
2	H	STARTING COIL FOR MSLC-FN-2	R 522 H40/343	E503/7				24		1 0		
49	E-MC-7BA+	E-42-MSLC/V1A	1005	TYPE D								
2	H	NEHA1 MTR STR MSLC-V-1A	R 522 H45/843	E503/7				4320		1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF61 PLANT LOCATION	MF6 MODEL NO. DRAWING	QID AS	TEST DATE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL
EC									USE		
49	E-MC-7BA4	E-42-MSLC/V1B	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-1B	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V1C	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-1C	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V1D	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-1D	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-42-MSLC/V10	1005	TYPE D								F
2	H1		R 522 H-7/8-3	E503/7	A			4320	1 0		
49	E-MC-7BA4	E-42-MSLC/V2A	1005	TYPE D							F
2	H	NEMA 1 MTR STR MSLC-V-2A	R 522 H-5/8-4	E503/7	A			4320	1 0		
49	E-MC-7BA4	E-42-MSLC/V2B	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-2B	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V2C	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-2C	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V2D	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-2D	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V3A	1005	TYPE D							F
2	H1	NEMA 1 MTR STR MSLC-V-3A	R 522 H-5/8-4	E503/7	A			4320	1 0		
49	E-MC-7BA4	E-42-MSLC/V3B	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-3B	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V3C	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-3C	R 522 H-7/8-3	E503/7	A			4320	2 0		
49	E-MC-7BA4	E-42-MSLC/V3D	1005	TYPE 000							F
2	F	NEMA 1 MOTOR STARTER FOR MSLC-V-3D	R 522 H-7/8-3	E503/7	A			4320	2 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MNP-2 CARS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	REF NO.	MAN. MODEL NO.	TEST	AKL	F/O	C	FREQ	WHL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	DRWG	ONE	C	HOURS	ACCURACY		
EC	EQUIPMENT DESCRIPTION	DRAWING					USE			
49	E-42-HSLC/V4	1005	TYPE D							
2	H	R 522 N0/3.8					4320	1 0		F
49	E-42-HSLC/V5	1005	TYPE D							
2	H	R 522 N0/3.8					4320	1 0		F
49	E-42-HSLC/V9	1005	TYPE D							
2	H	R 522 N0/3.8					4320	1 0		F
49	NEMA 1 MOTOR STARTER FOR HSLC-V-9	E503/8								
49	E-HC-8BA+	E-42-RCC/V108	1202	TYPE D			035026			
2	B1+F	R 522 N0/3.8					4320	1 0		F
49	NEMA 1 MTR STR RCC-V-108	E503/7								
49	E-HC-8BA+	E-42-RCC/V129	1005	TYPE D						
2	F	R 522 N0/4.0					4320	1 0		F
49	NEMA 1 MTR STR RCC-V-129	E503/7								
49	E-HC-7BA+	E-42-RCC/V21	1202	TYPE D			035026			
2	B1+F	R 527 H47/A40					4320	1 0		F
49	NEMA 1 MTR STR RCC-V-21	E503/7								
49	E-HC-7BA+	E-42-RCC/V40	1202	TYPE D			035026			
2	B1+F	R 527 H47/8.0					4320	1 0		F
49	NEMA 1 MTR STR RCC-V-40	E503/7								
49	E-HC-7BA+	E-42-RCC/V5	1005	TYPE D			035026			
2	B1+F	R 527 H47/8.0					4320	1 0		F
49	NEMA 1 MTR STR RCC-V-5	E503/7								
49	E-HC-S2/1A+	E-42-RCIC/V13	1005	TYPE D						
2	B1+C	R 471 H47/7.0					24	2 1		F
49	NEMA 1 MOTOR STARTER FOR RCIC-V-13	E505								
49	E-HC-8BA+	E-42-RCIC/V63	1005	TYPE D			035026			
2	G	R 522 N0/3.8					24	2 1		F
49	NEMA 1 MTR STR RCIC-V-63	E503/7								
49	E-HC-S2/1A+	E-42-RCIC/V64	1005	TYPE D						
2	B1+C	R 471 H47/7.0					24	2 1		F
49	NEMA 2 MOTOR STARTER FOR RCIC-V-64	E505								
49	E-HC-S2/1A+	E-42-RCIC/V69	1005	TYPE D						
2	B1+C	R 471 H47/7.0					24	2 1		F
49	NEMA 1 MOTOR STARTER FOR RCIC-V-69	E505								

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	HFG	HFG MODEL NO.	ROOM	QX	QID	TEST	ANC	F70	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE									
49	E-MC-8BA+	E-42-RCIC/V76	1005	TYPE D			035026						F	
2	BI+C	MEMA1 NTR STR RCIC-V-76	R 522 N.0/3.8	E503/7						24		2.1		
49	E-MC-7BA+	E-42-RHR/FCV64A	1005	TYPE D										
2	C+E	MEMA1 NTR STR RHR-FCV-64A	R 522 H.7/8.3	E503/7						4320		1.3		
49	E-MC-8BA+	E-42-RHR/FCV64B	1005	TYPE D			035026							
2	C+E	MEMA1 NTR STR RHR-FCV-64B	R 522 H.0/3.8	E503/7						4320		1.3		
49	E-MC-8BA+	E-42-RHR/FCV64C	1005	TYPE D			035026							
2	C+E	MEMA1 NTR STR RHR-FCV-64C	R 522 N.0/3.8	E503/7						4320		1.0		
49	E-MC-8B+	E-42-RHR/P3	1005	TYPE A			035024						F	
2	C+E	MEMA2 NTR STR RHR-P-3	R 522 H.7/8.3	E503/8						4320		2.3		
49	E-MC-7BA+	E-42-RHR/V11A	1005	TYPE D										
2	C+E	MEMA1 NTR STR RHR-V-11A	R 522 H.7/8.3	E503/7						4320		1.1		
49	E-MC-8BA+	E-42-RHR/V11B	1005	TYPE D			035026							
2	C+E	MEMA1 NTR STR RHR-V-11B	R 522 N.0/3.8	E503/7						4320		1.1		
49	E-MC-8BB+	E-42-RHR/V115	1005	TYPE D										
2	C+E	MEMA1 NTR STR RHR-V-115	R 573 H.7/8.2	E503/12						4320		1.0		
49	E-MC-8BB+	E-42-RHR/V116	1005	TYPE D										
2	C+E	MEMA1 NTR STR RHR-V-116	R 576 H.7/8.2	E503/12						4320		1.0		
49	E-MC-8A+	E-42-RHR/V123A	1005	TYPE D			035026							
2	C+E	MEMA1 NTR STR RHR-V-123A	R 522 N.0/3.8	E503/7						4320		2.3		
49	E-MC-8BA+	E-42-RHR/V123B	1005	TYPE D			035026							
2	C+E	MEMA1 NTR STR RHR-V-123B	R 522 N.0/3.8	E503/7						4320		2.3		
49	E-MC-7BA+	E-42-RHR/V124A	1005	TYPE D										
2	C+E	MEMA1 NTR STR RHR-V-124A	R 522 H.7/8.0	E503/7						4320		2.1		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNP-R CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	HP	HP MODEL NO.	QTY	TEST	ANL	F/G	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AUTH	DRF	HR	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING							USE			
49	E-NC-78A	E-42-RHR/V124B	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-124B	R 522 H.0/3.0	E503/7				4320		2.1		
49	E-NC-8BA	E-42-RHR/V125A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-125A	R 522 H.0/3.0	E503/7				4320		2.1		
49	E-NC-8BA	E-42-RHR/V125B	1005	TYPE D								
2	C/E	NEMA 1 MOTOR STARTER FOR RHR-V125B	R 522 H.0/3.0	E503/7				4320		2.1		
49	E-NC-78A	E-42-RHR/V134A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-134A	R 522 H.7/8.0	E503/7				4320		1.0		
49	E-NC-8BA	E-42-RHR/V134B	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-134B	R 522 H.0/3.0	E503/7				4320		1.0		
49	E-42-RHR/V16A	1005	TYPE D									
2	C/E	MOTOR START COIL FOR RHR-V-16A	H 572 H.4/5.7	E503/12						1.0		
49	E-NC-8BA	E-42-RHR/V16B	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-16B	R 522 H.0/3.0	E503/7				24		1.0		
49	E-NC-78B	E-42-RHR/V17A	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-17A	R 572 H.4/5.7	E503/12				24		1.0		
49	E-NC-8BA	E-42-RHR/V17B	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-17B	R 522 H.0/3.0	E503/7				24		1.0		
49	E-NC-8BA	E-42-RHR/V21	1005	TYPE D								
2	H	NEMA 1 MTR STR RHR-V-21	R 522 H.0/4.0	E503/7				4320		1.0		
49	E-NC-S2/1A	E-42-RHR/V23	1005	TYPE D								
2	B/C/E	NEMA 1 MOTOR STARTER FOR RHR-V-23	R 471 H.7/7.0	E503				4320		1.3		
49	E-NC-78A	E-42-RHR/V24A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-24A	R 522 H.0/4.0	E503/7				4320		1.0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HF8 PLANT LOCATION	HF8 MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C FREQUENCY	TH HL
49	E-MC-8BA4	E-42-RHR/V24B	1005	TYPE: 0	035026					
2	C&E	NEMA1 MTR STR RHR-V-24B	R-522 N-0/3-8	E503/7	0			4320	1 0	
49	E-MC-7BA4	E-42-RHR/V26A	1005	TYPE: 0						
2	C&E	NEMA1 MTR STR RHR-V-26A	R-522 N-0/4-0	E503/7	0			4320	1 1	
49	E-MC-7BA4	E-42-RHR/V27A	1005	TYPE: 0						
2	C&E	NEMA1 MTR STR RHR-V-27A	R-522 N-0/4-0	E503/7	0			4320	1 0	
49	E-42-RHR/V3A	1005	TYPE: 0							F
2	C&E	R-572 N-7/6-0	E503/12	0				4320	1 3	
49	E-42-RHR/V3B	1005	TYPE: 0							F
2	C&E	R-572 N-7/6-2	E503/12	0				4320	1 3	
49	E-MC-7BA4	E-42-RHR/V4A	1005	TYPE: 0						
2	C&E	NEMA1 MTR STR RHR-V-4A	R-522 N-0/3-8	E503/7	0			4320	2 0	
49	E-MC-8BA4	E-42-RHR/V4B	1005	TYPE: 0						F
2	C&E	NEMA1 MTR STR RHR-V-4B	R-522 N-0/4-0	E503/7	0			4320	1 0	
49	E-MC-8BA4	E-42-RHR/V4C	1005	TYPE: 0						F
2	C&E	NEMA1 MTR STR RHR-V-4C	R-522 N-0/4-0	E503/7	0			4320	1 0	
49	E-MC-7BA4	E-42-RHR/V42A	1005	TYPE: 0						
2	C&E	NEMA2 MTR STR RHR-V-42A	R-522 N-0/4-0	E503/7	0			4320	1 0	
49	E-MC-8BA4	E-42-RHR/V42B	1005	TYPE: 0	035026					
2	C&E	NEMA2 MTR STR RHR-V-42B	R-522 N-0/3-8	E503/7	0			4320	1 0	
49	E-MC-8BA4	E-42-RHR/V42C	1005	TYPE: 0	035026					
2	C&E	NEMA2 MTR STR RHR-V-42C	R-522 N-0/3-8	E503/7	0			4320	1 0	
49	E-MC-7BB4	E-42-RHR/V47A	1005	TYPE: 0						
2	C&E	NEMA1 MTR STR RHR-V-47A	R-572 N-4/5-0	E503/12	0			4320	1 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VMP-R-CLASS 1E-EQUIPMENT LIST

DATE 01/12/82 PAGE 156

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	WFO	WFO MODEL NO.	Q10	TEST	ANL	P/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AGE	ONE	CA	HOURS	ACCURACY				
EC	EQUIPMENT DESCRIPTION	DRAWING							USE			
49	E-MC-88B+	E-42-RHR/V47B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-47B	R 572 M-7/842	E503/12				4320		1	3	
49	E-MC-78B+	E-42-RHR/V48A	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-48A	R 572 M-4/546	E503/12				4320		1	3	
49	E-MC-88B+	E-42-RHR/V48B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-48B	R 572 M-7/842	E503/12				4320		1	3	
49	E-MC-88B+	E-42-RHR/V49	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-49B	R 572 M-7/842	E503/12				4320		2	0	
49	E-MC-78B+	E-42-RHR/V52A	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-52A	R 572 M-4/546	E503/12				4320		1	1	
49	E-MC-88B+	E-42-RHR/V52B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-52B	R 572 M-7/842	E503/12				4320		1	1	
49	E-MC-78A+	E-42-RHR/V53A	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-53A	R 522 M-7/843	E503/7				4320		1	3	
49	E-MC-78A+	E-42-RHR/V53B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-53B	R 522 M-7/843	E503/7				4320		1	3	
49	E-MC-88A+	E-42-RHR/V6A	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-6A	R 522 M-7/843	E503/7				4320		1	3	
49	E-MC-88A+	E-42-RHR/V6B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-6B	R 522 M-0/440	E503/7				4320		1	3	
49	E-MC-78B+	E-42-RHR/V68A	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-68A	R 572 M-7/640	E503/12				4320		2	0	
49	E-MC-88B+	E-42-RHR/V68B	1005	TYPE: 00								
2	C/E	NEMAI MTR STR RHR-V-68B	R 572 M-5/547	E503/12				4320		2	0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VMP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. DRAWING	QID AGEING	TEST DBE	ANL C	F70 HOURS	C1 ACCURACY	FREQ TH	HL
49	EC	E-MC-78B+	E-42-RHR/V73A	1005	TYPE D						
2	H	NEMA 1 MTR STR FOR RHR-V-73A	R 572 H 5/8 2	E503/12				4320	1 3		
49		E-MC-88B+	E-42-RHR/V73B	1005	TYPE PD						
2	C&E	NEMA 1 MTR STR RHR-V-73B	R 572 H 7/8 2	E503/12				4320	1 3		
49		E-MC-78B+	E-42-RHR/V74A	1005	TYPE PD						
2	C&E	NEMA 1 MTR STR RHR-V-74A	R 572 H 4/4 2	E503/12				4320	1 3		
49		E-MC-88B+	E-42-RHR/V74B	1005	TYPE PD						
2	C&E	NEMA 1 MTR STR RHR-V-74B	R 572 H 7/8 2	E503/12				4320	1 3		
49		E-MC-S271A+	E-42-RHR/V8	1005	TYPE H						F
2	H	NEMA 2 MOTOR STARTER FOR RHR-V-8	R 471 H 7/7 8	E505				4320	1 3		
49		E-MC-78B+	E-42-RHR/V87A	1005	TYPE D						
2	H	NEMA 1 MTR STR FOR RHR-V-87A	R 572 H 5/8 2	E503/12				4320	1 1		
49		E-MC-88B+	E-42-RHR/V87B	1005	TYPE PD						
2	C&E	NEMA 1 MTR STR RHR-V-87B	R 572 H 7/8 2	E503/12				4320	1 1		
49		E-MC-88A+	E-42-RHR/V9	1005	TYPE PD						F
2	C&E	NEMA 1 MTR STR RHR-V-9	R 522 H 0/4 8	E503/7				4320	1 3		
49		E-MC-88+	E-42-RRR/FN1	1005	TYPE A						F
2	H	NEMA 1 MTR STR RRR-FN-1	R 522 H 0/3 8	E503/8				4320	1 3		
49		E-MC-88+	E-42-RRR/FN10	1005	TYPE A						F
2	J	NEMA 1 MTR STR FOR RRR-FN-10	R 522 H 0/3 8	E503/8				4320	1 3		
49		E-42-RRR/FN11	1005	TYPE A							F
2	J		R 522 H 4/8 1	E503/8				4320	1 3		
49		E-MC-7B+	E-42-RRR/FN12	1005	TYPE A						F
2	H	NEMA 1 MOTOR STARTER FOR RRR-FN-12	R 522 H 5/8 3	E503/8				4320	1 0		

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UNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	WPGV	WPG MODEL NO.	QTD	TEST	ANL	F70	C	FREQ	TH	HL
LV	EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	ASNG	ONE	CT	HOURS	ACCURACY			
		EQUIPMENT DESCRIPTION		DRAWING						USE		
49		E-42-BBA/FN13	1005	TYPE "A"	035026							
2	J	R 574 H.4/5.7		E503/12				4320		1 3		F
49		E-42-BBA/FN14	1005	TYPE "A"	035026							
2	J	R 574 H.4/5.7		E503/12				4320		1 3		F
49		E-MC-7BB	E-42-BBA/FN15	1005	TYPE "A"							
2	J	R 572 H.4/5.7		E503/12				4320		1 3		F
		NEMA 1 MOTOR STARTER FOR BBA-FN-15		E503/12						1 0		
49		E-MC-8BB	E-42-BBA/FN17	1005	TYPE "A"							
2	J	R 572 H.7/8.2		E503/12				4320		1 0		F
		NEMA 1 MOTOR STARTER FOR BBA-FN-17		E503/12						1 0		
49		E-42-BBA/FN2	1005	TYPE "A"	035026							
2	J	R 527 H.3/8.3		E503/8				4320		1 3		F
49		E-MC-8BA	E-42-BBA/FN20	1005	TYPE "A"							
2	J	R 522 H.0/5.9		E503/7				4320		1 3		F
		NEMA 1 MOTOR STARTER FOR BBA-FN-20		E503/7						1 3		
49		E-MC-8B	E-42-BBA/FN3	1005	TYPE "A"							
2	H	R 522 H.0/3.8		E503/8				4320		1 0		
		NEMA 1 MTR STR BBA-FN-3		E503/8						1 0		
49		E-42-BBA/FN5	1005	TYPE "A"	035024							
2	J	R 522 H.4/8.1		E503/8				24		1 3		F
49		E-42-BBA/FN6	1005	TYPE "A"	035024							
2	J	R 522 H.0/3.8		E503/8						1 3		
49		E-MC-8BA	E-42-BRC/V16A	1005	TYPE "D"							
2	J	R 522 H.7/8.3		E503/7				4320		2 0		
		NEMA 1 MTR STR BRC-V-16A		E503/7						2 0		
49		E-MC-7BA	E-42-BRC/V16B	1005	TYPE "D"							
2	J	R 522 H.7/8.3		E503/7				4320		2 0		F
		NEMA 1 MOTOR STARTER FOR BRC-V-16B		E503/7						2 0		
49		E-42-BRCU/V1	1005	TYPE "D"								
2	J	R 522 H.0/4.0		E503/7				4320		1 3		F

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
KMP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	MFG PLANT LOCATION	MFG MODEL NO. ROOM	QTY HS	TEST AGING	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
		EQUIPMENT DESCRIPTION		DRAWING					USE	
49	2 B1	E-MC-S2/1A+ NEMA 1 MOTOR STARTER FOR RUCU-V-4	E-42-RUCU/V4 R 471 H.7/7.8	1005 E505				4320	1 0	F
49	2 H	E-MC-78B+ DISC TO SGT-EHC-1B1	E-42-SGT/EHC1B1 R 572 H.7/6.0	1005 E505				4320	1 0	F
49	2 D	E-42-SGT/FN1A1	1005 R 471 H.7/7.8	TYPE 004 E503/12				4320	1 0	F
49	2 F	E-MC-88B+ NEMA 2 MOTOR STR FOR SGT-FN-1A-2	E-42-SGT/FN1A2 R 572 H.7/8.2	1005 E503/12				4320	1 0	F
49	2 D	E-42-SGT/FN1B1	1005 R 575 H.4/5.7	CH 5641-DACAB E503/12				4320	1 0	F
49	2 F	E-MC-88B+ NEMA 2 MOTOR STARTER SGT-FN-1B-2	E-42-SGT/FN1B2 R 572 H.7/8.2	1005 E503/12				4320	1 0	F
49	2 D	E-MC-78B+ NEMA 1 MOTOR STR TO SGT-V-1A	E-42-SGT/V1A R 572 H.5/8.2	1005 E503/12				4320	1 0	F
49	2 D	E-42-SGT/V1B	1005 R 572 H.5/8.2	TYPE 004 E503/12				4320	1 0	F
49	2 D	E-MC-78B+ NEMA1 MTR STR SGT-V-3A1	E-42-SGT/V3A1 R 576 H.4/5.7	1005 E503/12				4320	1 0	F
49	2 D	E-MC-88B+ NEMA1 MTR STR SGT-V-3A2	E-42-SGT/V3A2 R 576 H.7/8.2	1005 E503/12				4320	1 0	F
49	2 D	E-MC-78B+ NEMA1 MTR STR SGT-V-3B+	E-42-SGT/V3B1 R 575 H.4/5.7	1005 E503/12				4320	1 0	F
49	2 D	E-MC-88B+ NEMA1 MTR STR SGT-V-3B2	E-42-SGT/V3B2 R 575 H.7/8.2	1005 E503/12				4320	1 0	F

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QTY NO.	TEST AGEING	ANL DUE	F/O HOURS	FREQ ACCURACY	TH HL
49	E-MC-7BB+	E-42-SGT/V4A1	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-4A1	R 573 M.4/5.7	E503/12				4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/V4A2	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-4A2	R 573 M.7/8.2	E503/12				4320	1 0.	F
49	E-MC-7BB+	E-42-SGT/V4B1	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-4B1	R 573 M.4/5.7	E503/12				4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/V4B2	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-4B2	R 576 M.7/8.2	E503/12				4320	1 0.	F
49	E-MC-7BB+	E-42-SGT/V5A1	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-5A1	R 576 M.4/5.7	E503/12				4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/V5A2	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-5A2	R 576 M.7/8.2	E503/12				4320	1 0.	F
49	E-MC-7BB+	E-42-SGT/V5B1	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-5B1	R 575 M.4/5.7	E503/12				4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/V5B2	I005	TYPE D						
2	D	NEMA1 MTR STR SGT-V-5B2	R 575 M.7/8.2	E503/12				4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/EHC1A2	I005	TYPE D						
2	D	DISC TO SGT EHC-1A2	R 572 M.5/6.2	E503/12				4320	1 0.	F
49	E-MC-7BB+	E-42-SGT/EHC1B1	I005	5641D TYPE "Q"						
2	D	BRKR TO SGT-ERC-1B1	R 578 M.4/5.7					4320	1 0.	F
49	E-MC-8BB+	E-42-SGT/EHC1B2	I005	5641D TYPE "Q"						
2	D	BRKR TO SGT-EHC-1B2	R 572 M.7/8.2					4320	1 0.	F
49	E-MC-7B+	E-42-SLC/P1A	I005	TYPE D						
2	D	NEMA 3 MOTOR STARTER FOR SLC-P-1A	R 522 M.7/8.2	E503/8				4320	1 0.	F

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	Q10 DRAWING	TEST DPE	ANL C	F/O HOURS	C C	FREQ ACCURACY	TM HL
49	E-MC-8B+	E-42-SLC/P1B	I005	TYPE D							F
2	D	NEMA 3 MOTOR STARTER FOR SLC-P-1B	R 526 H/3.8	E503/8				4320	1 0		
49	E-MC-7B+	E-42-SLC/V1A	I005	TYPE D							F
2	D	NEMA 3 MOTOR STARTER FOR SLC-V-1A	R 522 H/8.1	E503/8				4320	1 0		
49	E-MC-8B+	E-42-SLC/V1B	I005	TYPE D							F
2	D	NEMA 1 MOTOR STARTER FOR SLC-V-1B	R 526 H/3.8	E503/8				4320	1 0		
49	E-MC-7BA+	E-42-SW/V187A	I005	TYPE D							F
2	E	NEMA 1 MOTOR STARTER FOR SW-V-187A	R 522 H.7/8.3	E503/7					4 3		
49	E-MC-8BA+	E-42-SW/V187B	I005	TYPE D							F
2	E	NEMA 1 MOTOR STARTER FOR SW-V-187B	R 522 H.0/3.9	E503/7					1 3		
49	E-MC-7B+	E-42-SW/V24A	I005	TYPE D							F
2	C	NEMA 1 MOTOR STARTER FOR SW-V-24A	R 522 H/8.1	E503/8				4320	1 3		
49	E-MC-8BA+	E-42-SW/V24B	I005	TYPE D							F
2	C	NEMA 1 MOTOR STARTER FOR SW-V-24B	R 522 H0/4.0	E503/7				4320	1 3		
49	E-MC-8BA+	E-42-SW/V24C	I005	TYPE D							F
2	C	NEMA 1 MOTOR STARTER FOR SW-V-24C	R 522 H0/4.0	E503/7				4320	1 3		
49	E-MC-7B+	E-42-SW/V44	I005	TYPE D							F
2	C	NEMA 1 MOTOR STARTER FOR SW-V-44	R 522 H/8.1	E503/8				4320	1 0		
49	E-MC-7BA+	E-42-SW/V75A	I005	TYPE D							F
2	E	NEMA 1 MOTOR STARTER FOR SW-V-75A	R 522 H.7/8.3	E503/7				4320	1 0		
49	E-MC-7BA+	E-42-SW/V75B	I005	TYPE D							F
2	E	NEMA 1 MOTOR STARTER FOR SW-V-75B	R 522 H.7/8.3	E503/7				4320	1 0		
2	B1	EDR-LMS-V19	R 468 H.8/4.5	XP				4320	1 0		
				H537	D9						

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WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	WPP-2 PLANT LOCATION	WPP-2 ROOM	WPP-2 AGEING	TEST DBB	ANL C	F/O HOURS	C ACCURACY	FREQ TM	HL
		EDR-LMS-V20									
2	B1	R 468 H 4/4/4						4320	1 0		
58		E-IR-61+	EDR-SPV-19	A499	WJHT831654	315004	2 1	0.0	33+	N	
2	B1	PILOT VALVE FOR CONT ISO VLV V-19	R 426 H 1/3/6					4320	1 0		
58		E-IR-65+	EDR-SPV-20	A499	WJHT831654	315004	2 1	0.0	33+	N	
2	B1	PILOT VALVE FOR CONT ISO VLV V-20	R 471 H 0/2/6					4320	1 0		
41		EDR-LMS-3	N007	SAI-133				200004			
2	B1,F	R 467 H 0/0/4						4320	2 0		
41		EDR-LMS-4	N007	SAI-133				200004			
2	B1,F	R 467 H 0/0/4						4320	2 0		
206		FDR-RMS-601	H322					4320	4 0		
3	F	RMS FOR FDR-V-601	R 426 H 7/7/4					4320	4 0		
206		FDR-RMS-602	H322					4320	4 0		
3	F	RMS FOR FDR-V-602	R 426 H 7/7/4					4320	4 0		
206		FDR-RMS-603	H322					4320	4 0		
3	F	RMS FOR FDR-V-603	R 441					4320	4 0		
206		FDR-RMS-604	H322					4320	4 0		
3	F	RMS FOR FDR-V-604	R 441					4320	4 0		
58		E-IR-61+	FDR-SPV-3	A499	WJHT8344A72	315004	2 1	0.0	33+	N	
2	B1	CONTAINMENT FDR ISOLATION VALVE (R)	R 426 H 1/3/6					4320	1 0		
58		E-IR-65+	FDR-SPV-4	A499	WJHT831654	315004	2 1	0.0	33+	N	
2	B1	SOLENOID PILOT FOR EDR-V-4 IR-65	R 471 H 0/3/9					4320	1 0		
58		E-IR-62+	FDR-SPV-601	A499	WJHT831654	315004	2 1	0.0	33+	N	
2	F	REACTOR BLDG. AREA DRAINS TO SUMP	R 476 H 4/6/8					4320	2 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	NO. PLANT LOCATION	NO. ROOM	NO. DRAWING	QID AGEING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH R	HL N
58 2	F	E-IR-62+ SOLENOID PILOT FOR FOR-V-602 IR-62	A499 R 476 H44/B4B	MJHT831654 M539 B13	315004	2 1	0 0		4320	2 0	33+	R	N
58 2	F	E-IR-61+ SOLENOID PILOT FOR FOR-V-603 IR-61	A499 R 427 H41/344	MJHT831654 M539 C7	315004	2 1	0 0		4320	2 0	33+	R	N
58 2	F	E-IR-62+ SOLENOID PILOT FOR FOR-V-604 IR-62	A499 R 476 H44/A4B	MJHT831654 M539 C9	315004	2 1	0 0		4320	2 0	33+	R	N
3 3	G	E-IR-62+ F/OH BYPASS FLOW CONTROL OP	F130 R 476 H44/64B	M526 C9					4320	2 3			
220 3	G	FPC-FIC-21 FUEL POOL RECIRC FLOW CONTROL	R		M526 J10				4320	2 3			
215 2	F	FPC-LIS-1A FPC-TK-1A HIGH-HIGH LEVEL	I204 R 572 K40/64B	289A M526 J9	198007	2 1	0 0		4320	2 3	33+		Y
215 2	F	FPC-LIS-1B FPC-TK-1B HIGH-HIGH LEVEL	I204 R 572 H40/64B	289A M526 J8	198007	2 1	0 0		4320	2 3	33+		Y
215 2	F	FPC-LIS-2A FPC-TK-1A LEVEL CONTROL HIGH SIDE	I204 R 572 K40/64B	289A M526 J9	198007	2 1	0 0		4320	2 3	33+		Y
215 2	F	FPC-LIS-2B FPC-TK-1B LEVEL CONTROL HIGH SIDE	I204 R 572 H40/64B	289A M526 J8	198007	2 1	0 0		4320	2 3	33+		Y
215 2	F	FPC-LIS-3A1 FPC-TK-1A LEVEL CONTROL LOW SIDE	I204 R 572 K40/64B	289A M526 J9	198007				4320	2 3			
215 2	F	FPC-LIS-3A2 FPC-TK-1A LOW-LOW LEVEL	I204 R 572 K40/64B	289A M526 H9	198007				4320	2 3			
215 2	F	FPC-LIS-3B1 FPC-TK-1B LEVEL CONTROL LOW SIDE	I204 R 572 H40/64B	289A M526 J8	198007				4320	2 3			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	REF.	REF. MODEL NO.	Q10	TEST	ANL	F70	C	FREQ	IN	AL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	Q3	ADTNG	DBE	C	HOURS	ACCURACY			
220	FPC-LIS-382	1204	289A		198007	2 1	0.0			17		Y
2 F	FPC-TK-1B LOW-LOW LEVEL	R 572 N 06.9	M526 H8					4320		2 3		
215	FPC-P-1A+	FPC-M-1A	W120	TADP/326TS	213014							
2 F	50HP/58A MOTOR FOR FPC-P-1A	R 550 M 2/3.5	M526 C13					4320		2 3		
215	FPC-P-1B+	FPC-M-1B	W120	TADP/326TS	213014							
2 F	50HP/58A MOTOR FOR FPC-P-1B	R 550 M 2/3.5	M526 C13					4320		2 3		
21A	FPC-V-153+	FPC-MQ-153	L200	SMB-000-5	221016							
2 B1	MO FOR FPC-V-153	R 452 K 7/7.9	M526 B11					4320		2 3		
41A	FPC-V-154+	FPC-MQ-154	L200	SMB-000-5	221016							
2 B1	MO FOR FPC-V-154	R 452 J 9/8	M526 B11					4320		2 3		
41A	FPC-V-156+	FPC-MQ-156	L200	SMB-00	221016							
2 B1	MO FOR FPC-V-156	R 460 K 2/8.2	M526 C11					4320		2 3		
41A	FPC-V-172+	FPC-MQ-172										
2 B2	MO FOR FPC-V-172	R 471 K 9/9.0	M526 C9					4320		2 3		
41A	FPC-V-173+	FPC-MQ-173										
2 B2	MO FOR FPC-V-173	R 471 K 9.4	M526 C8					4320		2 3		
41A	FPC-V-175+	FPC-MQ-175										
2 B2	MO FOR FPC-V-175	R 448	M526 C10					4320		2 3		
41A	FPC-V-181A+	FPC-MQ-181A										
2 F	MO FOR FPC-V-181A	R 548	M526 C14					4320		2 3		
41A	FPC-V-181B+	FPC-MQ-181B										
2 F	MO FOR FPC-V-181B	R 548	M526 C14					4320		2 3		
41A	FPC-V-184+	FPC-MQ-184										
2 B2	MO FOR FPC-V-184	R 471 L 0/9.4	M526 C9					4320		2 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	Q10 ASING	TEST DIE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
											USE
58	2 6	E-IR-71+ FPC-PS-6A	B070	D21-M15033	256018			4320	2 3		
		PUMP SUCTION PRESSURE P-1A	R 522 J.0/6.9	M526 E14							
58	2 6	E-IR-69+ FPC-PS-6B	B070	D21-M15033	256018			4320	2 3		
		PUMP SUCTION PRESSURE P-1B	R 522 N.0/8.1	M526 D14							
58	2 6	E-IR-71+ FPC-PS-9A	B070	D21-M1285				4320	2 3		
		PUMP DISCHARGE PRESSURE P-1A	R 522 N.0/8.1	M526 D13							
58	2 6	E-IR-69+ FPC-PS-9B	B070	D21-M1285				4320	2 3		
		PUMP DISCHARGE PRESSURE P-1B	R 522 N.0/8.1	M526 D13							
	3 6	FPC-RMS-P1A	R 522 J.0/6.9	M526 E14				4320	2 3		
	3 6	FPC-RMS-P1B	R 522 N.0/8.1	M526 D14				4320	2 3		
	2 6	E-IR-62+ FPC-SPV-1	R 471 H.4/6.6	M526 C9				4320	2 3		
		FPC-V-1 F/DN BYPASS									
215	2 6	E-IR-69+ FPC-SPV-113	A499	MTHT831654	315084	2 1	0/0	4320	33+	R	N
		FPC CLEANUP BYPASS SOLENOID OPER.	R 525 N.0/8.0	M526 C14					2 3		
02E22	3 C	E-IR-P024+ HPCS-DPIS-9	I204	289	086002						
		HPCS BREAK LOGIC H22-P024	R 471 L.2/3.9	M520 J7					1 0		
02E22	3 C	E-IR-P024+ HPCS-FIS-6	I204	0289	140001	1 4	0 0		33+		N
		HPCS-P-1 DISCH. H22-P024	R 471 L.2/3.9	M520 B4	R206 AB			24	1 0		
02E22	3 C	E-IR-P024+ HPCS-FT-5	6082	50-555-11CHA4WCF	156003	1 4	0 0		33+		N
		HPCS-P-1 DISCH	R 471 L.2/3.9	M520 B4	R206 AP			24	1 0		
69	2 C	HPCS-V-5+ HPCS-LMS-5	N007	84836-0577	200007						
		LMS FOR HPCS-V-5 CONT ISOL	C 549.247 D. A2. R17	M520 HB				24	2 0		

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HNP-3 CLASS-1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	OS	ABIME	DBE	C	HOURS	ACCURACY		
										USE		
02E22 2 C	HPCS-LS-2A	HPCS-LS-2A	M040	1.5-751-1X-HPC-M14BY	207002	1 4	0 0					N
	POOL LEVEL HPCS VALVE CNTL	R 465 J.5/4.1	M545	B14	AM				24	1 0		
02E22 2 C	HPCS-LS-2B	HPCS-LS-2B	M040	159C4294P002	207002	1 4	0 0					N
	POOL LEVEL HPCS VALVE CNTL	R 471 M/8.0	M545	B14	AM				24	1 0		
02E22 2 C	HPCS-P-1+	HPCS-M-1	G080	5K6357XC10A	213013		0 1					Y
	3000HP/373A MOTOR DRIVER HPCS-P-1	R 430 M.0/4.0	M520	B8	MM				24	1 0		
35A 2 C	HPCS-P-3+	HPCS-M-3	M120	750A766	213016							
	15HP/18A MOTOR FOR HPCS-P-3	R 430 L.5/3.5	M520	C6	R11	RB			24	1 0		
02E22 2 C	HPCS-V-1+	HPCS-MO-1	L200	SMB-000+25/P12B	221012	1 4	0 0			33+		N
	1.6HP 3.9A MOTOR OPER. HPCS-V-1	R 435 M.0/4.0	M520	C7	R11	BA			24	1 0		
02E22 2 C	HPCS-V-10+	HPCS-MO-10	L200	SMB-2-150/C215Y	221012	1 4	0 0			33		Y
	26.0HP MOTOR OPERATOR HPCS-V-10	R 451 M/3.8	M520	E3	R106	BA			24	2 0		
02E22 2 C	HPCS-V-11+	HPCS-MO-11	L200	SMB-2-150/C215Y	221012	1 4	0 0			33+		N
	9.75HP MOTOR OPERATOR HPCS-V-11	R 451 M/3.8	M520	E3	R106	BA			24	2 0		
02E22 2 C	HPCS-V-12+	HPCS-MO-12	L200	SMB-2-40/C184Y	221012	1 4	0 0			33+		N
	5HP 0.9A MOTOR OPER. HPCS-V-12	R 430 M/3.4	M520	B5	R11	BA			24	1 0		
02E22 2 C	HPCS-V-15+	HPCS-MO-15	L200	SMB-2-60/C184Y	221012	1 4	0 0			33+		N
	MOTOR OPERATOR HPCS-V-15	R 455 L.4/3.6	M520	D7	R106	BA			24	1 0		
02E22 2 C	HPCS-V-23+	HPCS-MO-23	L200	SMB-4-150/C215Y	221012	1 4	0 0			33+		H
	9.75HP MOTOR OPERATOR HPCS-V-23	R 451 L.5/3.9	M520	E5	R106	BA			24	2 0		
02E22 2 C	HPCS-V-4+	HPCS-MO-4	L200	SMB-4-200/3264R4	221012	1 4	0 0			33+	P	N
	26HP 35A MOTOR OPERATOR HPCS-V-4	R 547 M.3/7.3	M520	G7	R404	BA			24	1 0		
02E22 3 C	E-IR-P024+	HPCS-PIS-13	I204	H268A	245001	1 4	0 0			33+		N
	HPCS-P-3 LOW DISCH ALARM H22-P024	R 471 L.2/3.9	M520	C4	B206	AB			3320	1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION		PLANT LOCATION	ROOM	AS	AGING	DRP	C	HOURS	ACCURACY		
02E22 2 C	E-IR-P024+	HPCS-PS-12	S382	SN-AA3-V105TT	256015	1 A	0.0			33+		N
	HPCS-P-1 DISCH	H22-P024	R 471 L-2/3.9	M520 C4	BM			4320	1 0			
02E22 2 C	E-IR-P024+	HPCS-PS-3	R240	SP-222-C	256013							
	HPCS-P-1 SUCTION H22-P024		R 471 L-2/3.9	M520 C4	BM			4320	1 0			
2 6		HPCS-SP-20										
				M520 C4					2 0			
02C51 2 A	IRM-DET-2H		G080	112C3143BR	0A7001	1 A	0.0			04		N
	INTER. AGE DET. IRM DETECT			IN. RPV	BD				1 3			
02E31 2 F	LD-TE-18A		P427	282-N1A72	339004		0.1			99+		N
	LD TE RHR EQUIP AREA AMB TEMP		R 468 K-7/9.0	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-18B		P427	282-N1A72	339004		0.1			99+		N
	LD TE RHR EQUIP AREA AMB TEMP		R 465 K-8/9.0	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-18C		P427	282-N1A72	339004		0.1			99+		N
	LD TE RHR EQUIP AREA AMB TEMP		R 468 K-7/9.0	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-18D		P427	282-N1A72	339004		0.1			99+		N
	LD TE RHR EQUIP AREA AMB TEMP		R 465 K-8/9.0	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-27A		N070	N145C3224P1	339004		0.1			99+		N
	LD TE RHR EQUIP AREA INLET VENT		R 432 L-9/9.4	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-27B		N070	N145C3224P1	339004		0.1			99+		N
	LD TE RHR EQUIP AREA INLET VENT		R 432 K-9/9.4	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-27C		N070	N145C3224P1	339004		0.1			99+		N
	LD TE RHR EQUIP AREA INLET VENT		R 432 L-5/9.4	2-21-0603	BM			4320	2 0			
02E31 2 F	LD-TE-27D		N070	N145C3224P1	339004		0.1			99+		N
	LD TE RHR EQUIP AREA INLET VENT		R 432 K-9/9.4	2-21-0603	BM			4320	2 0			

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. ROOM	QTY OS	TEST TAGING	ANL ONE	F/O C	FREQ HOURS	TH ACCURACY	HL
									USE		
02E31	2 F	LD-TE-28A	P427	282F9137	339004		0.1		99+	N	
		LD TE RHR EQUIP AREA OUTLET VENT	R 461 L3/9.3	R115	BM			4320	2.0		
02E31	2 F	LD-TE-28B	P427	102-9038-08-8042	339004		0.1		99+	N	
		LD TE RHR EQUIP AREA OUTLET VENT	R 463 K.9/9.3	R116	BM			4320	2.0		
02E31	2 F	LD-TE-28C	P427	282F9137	339004		0.1		99+	N	
		LD TE RHR EQUIP AREA OUTLET VENT	R 461 L3/9.3	R115	BM			4320	2.0		
02E31	2 F	LD-TE-28D	P427	102-9037-08-8042	339004		0.1		99+	N	
		LD TE RHR EQUIP AREA OUTLET VENT	R 463 K.9/9.3	R116	BM			4320	2.0		
02E21	3 C	E-CP-P001+ LPCS-DPIS-6	I204 288	R206	AB	086001	1.4	0.0	33+	N	
		INJECTION VALVE D/P	R 471 K.0/4.2	H520	Q11			4320	2.0		
02E21	3 C	E-CP-P001+ LPCS-FIS-4	I204 288	R206	AB	140001	1.4	0.0	33+	N	
		LPCS-P-1 DISCH FLOW	R 471 K.0/4.2	H520	B14			2.0			
02E21	3 C	E-CP-P001+ LPCS-FI-3	R080 355	R206	AB	156003	1.4	0.0	33+	N	
		LPCS-P-1 DIS FLOW TX	R 471 K.0/4.2	H520	B14			4320	2.0		
2 C		LPCS-V-54 LPCS-LMS-5	N007	D2400X-2	200009			4320	2.0		
		LIMIT SWITCH	C 554 110.0 AZ R16	H520	Q11						
69	2 C	LPCS-V-64 LPCS-LMS-6	N007					4320	2.0		
		LIMIT SWITCH	C 547 124.0 AZ R16	H520	G9						
02E21	2 C	LPCS-P-1+ LPCS-M-1	G082	SK437X665A	213033		0.1			Y	
		1500HP/192A MOTOR DRIVER LPCS-P-1	R 429 K.4/3.8	R12	BM			24	1.0		
41A	2 C	LPCS-V-1+ LPCS-MO-1	L200	SNB-0-40/T56	221011		1.4	0.0	35	Y	
		1.62HP MOTOR OPERATOR LPCS-V-1	R 460 K/4.1	R114	AB			24	1.0		
02E21	2 C	LPCS-FCV-11+ LPCS-MO-11	L200	SNB-000-3/K48	221016			24			
		MOTOR OPERATOR LPCS-FCV-11	R 425/K.2/3.9	R12	BA				1.0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	INFO. PLANT LOCATION	INFO MODEL NO. ROOM	BID AS	TEST ONE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING						USE		
41B 2 C	LPCS-V-12+	LPCS-MO-12	L200	SMB-2-60/1H4R	221009	1 4	0.0.	24	37	Y	
	3.89HP MOTOR OPERATOR LPCS-V-12	R 460 K/4.1	M520	E15					1 0.		
41A 2 C	LPCS-V-3+	LPCS-MO-3	L200	SMB-2-100/254UR3	221009	1 4	0.0.	24	37	Y	
	9.75HP MOTOR OPERATOR LPCS-V-3	R 930 L68/4.3	M520	E11					1 0.		
2 C	E-CP-P001+	LPCS-PIS-1	R290					24			
		R 471 K40/4.2	M520	B13					1 0.		
D2H22 2 C	E-CP-P001+	LPCS-PS-5	R290	SP-222-C	256013	1 4	0.0.	24	33+	N	
	LPCS-P-1 DISCHARGE H22-P001	R 471 K/4.2	M520	B14					1 0.		
02E21 2 C	E-CP-P001+	LPCS-PS-9	B069	PIH-M600SS-V	256009	1 4	0.0.	24	33+	N	
	LPCS PUMP DISCHARGE PS TO ADS	R 471 K/4.2	M520	B13					1 0.		
5B 3 B1	E-IR-P025+	MS-DPIS-100	B080	288	086001	1 4	0.0.	4320	33+	R	N
	15-0-150 LINE C D/P	R 501 R 501 L923.7	M502	D9					1 0.		
02E31 3 I	E-IR-P015+	MS-DPIS-11A	I204	0288	086001	1 4	0.0.	4320	33+	N	
	PCIS HI STM FLOW LINE D - H22-P015	R 508 H6/7.3	M529	D3					1 0.		
02E31 3 I	E-IR-P022+	MS-DPIS-11B	I204	288A	086001	1 4	0.0.	4320	33+	N	
	PCIS HI STM FLOW LINE D	R 471 H6/8.1	M529	D3					1 0.		
02E31 3 I	E-IR-P010+	MS-DPIS-11C	I204	288A	086001	1 4	0.0.	4320	33+	N	
	PCIS STM FLOW LINE D H22-P010	R 471 H6/7.3	M529	C3					1 0.		
02E31 3 I	E-IR-P025+	MS-DPIS-11D	I294	288A	086001	1 4	0.0.	4320	33+	N	
	15-0-150 LINE D D/P	R 501 L69/3.6	M529	C3					1 0.		
02E31 3 I	E-IR-P015+	MS-DPIS-8A	I204	0288	086001	1 4	0.0.	4320	33+	N	
	PCIS HI STM FLOW LINE A - H22-P015	R 501 H6/7.3	M529	E14					1 0.		
02E31 3 I	E-IR-P022+	MS-DPIS-8B	I204	288A	086001	1 4	0.0.	4320	33+	N	
	PCIS HI STM FLOW LINE A - H22-P022	R 471 H6/8.1	M529	E14					1 0.		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	P70	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	MS	AGING	DBE	C	HOURS	ACCURACY	USE		
02E31 3 I	E-IR-P010+	MS-DPIS-8C	I204	288A	086001	1 4	0.0		33+		N	
	PCIS HI STM FLOW LINE A	R 471 M.5/4.5		M529 E14				4320	1 0			
02E31 3 I	E-IR-P025+	MS-DPIS-8D	I204	288A	086001	1 4	0.0		33+		N	
	PCIS HI STM FLOW LINE A H22-P025	R 501 L.9/3.6		M529 E14				4320	1 0			
02E31 3 I	E-IR-P015+	MS-DPIS-9A	I204	288B	086001	1 4	0.0		33+		N	
	PCIS HI STM LINE A	R 501 M.6/7.4		M529 D14				4320	1 0			
02E31 3 I	E-IR-P022+	MS-DPIS-9B	I204	288A	086001	1 4	0.0		33+		N	
	PCIS HI STM FLOW LINE B H22-P022	R 471 M.6/6.1		M529 D14				4320	1 0			
02E31 3 I	E-IR-P010+	MS-DPIS-9C	I204	288A	086001	1 4	0.0		33+		N	
	PCIS HI STM FLOW LINE B	R 471 M.5/4.5		M529 C14				4320	1 0			
02E31 3 I	E-IR-P025+	MS-DPIS-9D	I204	288A	086001	1 4	0.0		33+		N	
	15-D+150. LINE B	R 501 L.9/3.6		M529 C14				4320	1 0			
02 2 G	E-IR-P009+	MS-DPT-32	6080	5555111BNAAMCA	091084							
	MAIN STEAM DIFF PRESS RPV	R 472 J.6/2.9		M530 G12				4320	2 3			
02 2 G	E-IR-P010+	MS-FT-33A	6082	4UCH	156088							
	MS FLOW -- H22-P010	R 471 M.5/4.5		M530 H12				4320	2 3			
02 2 G	E-IR-P009+	MS-FT-33B	6082	50555111BNAAMCA	156003							
	MS FLOW -- H22-P009	R 471 J.6/8.1		M530 H6				4320	2 3			
02 2 G	E-IR-P010+	MS-FT-33C	6082	4FAH	156007							
	MS FLOW -- H22-P010	R 471 M.5/4.5		M530 H13				4320	2 3			
02 2 G	E-IR-P009+	MS-FT-33D	6082	50555111BNAAMCH	156003							
	MS FLOW -- H22-P009	R 471 J.6/8.1		M530 H5				4320	2 3			
02 2 G	E-IR-P010+	MS-FT-34A	6080	5551111BNAAMCA	156003	I R H	2 2	P.0	1		F	
	NB-JP-1 FLOW TRANSMITTER	R 471 M.7/4.4		M530 F2				4320	2 3			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFO. PLANT LOCATION	HFO MODEL NO. ROOM	Q10 DR	TEST DR	ANL C	F70 HOURS	C FREQUENCY	TH ACCURACY	HL
EC				DRAWING				USE			
02 2	E-IR-P009+	MS-FY-34B	6080	5551118NAA4WCA	156003	I R H	2 2	P 0	0	F	-
6	NB-JP-11 FLOW TRANSMITTER	R 471 M.7/4.4	M530	E2	4320	2 3					
02 2	E-IR-P010+	MS-FY-34C	6080	5551118NAA4WCA	156003	I R H	2 2	P 0	1	F	-
6	NB-JP-2 FLOW TRANSMITTER	R 471 M.7/4.4	M530	E2	4320	2 3					
02 2	E-IR-P009+	MS-FY-34D	6080	5551118NAA4WCA	156003	I R H	2 2	P 0	0	F	-
6	NB-JP-12 FLOW TRANSMITTER	R 471 M.7/4.4	M530	E2	4320	2 3					
02 2	E-IR-P010+	MS-FY-34E	6080	5551118NAA4EAF	156003	I R H	2 2	P 0	1	F	-
6	NB-JP-3 FLOW TRANSMITTER	R 471 M.7/4.4	M530	E2	4320	2 3					
02 2	E-IR-P009+	MS-FY-34F	6080	5551118NAA4WCA	156003	I R H	2 2	P 0	0	F	-
6	NB-JP-13 FLOW TRANSMITTER	R 471 M.7/4.4	M530	E2	4320	2 3					
02 2	E-IR-P010+	MS-FY-34G	6082	4EAH	156007						
6	NB-JP-4 FLOW TRANSMITTER	R 471 M.5/4.5	M530	F2	4320	2 3					
02 2	E-IR-P009+	MS-FY-34H	6082	505551118NAA4WCA	156003						
6	NB-JP-14 FLOW TRANSMITTER	R 471 J6/8.1	M530	E2	4320	2 3					
02 2	E-IR-P010+	MS-FY-34J	6082	4EAH	156007						
6	NB-JP-5 FLOW TRANSMITTER	R 471 M.5/4.5	M530	H13	4320	2 3					
02 2	E-IR-P009+	MS-FY-34K	6082	505551118NAA4WCA	156003						
6	NB-JP-15 FLOW TRANSMITTER	R 471 J6/8.1	M530	H5	4320	2 3					
02 2	E-IR-P010+	MS-FY-34L	6082	4EAH	156007						
6	NB-JP-6 FLOW TRANSMITTER H22-P010	R 471 M.5/4.5	M530	F2	4320	2 3					
02 2	E-IR-P009+	MS-FY-34M	6082	505551118NAA4WCA	156003						
6	NB-JP-16 FLOW TRANSMITTER	R 471 J6/8.1	M530	E2	4320	2 3					
02 2	E-IR-P010+	MS-FY-34N	6082	4EAH	156007						
6	NB-JP-7 FLOW TRANSMITTER H22-P010	R 471 M.5/4.5	M530	F2	4320	2 3					

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HF0 PLANT LOCATION	HF0 MODEL NO. DRAWING	QID ROOM	TEST AGING	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
02	2	E-IR-P010+ NB-JP-17 FLOW TRANSMITTER	MS-FI-34P R 471 M.5/4.5	6082 M55111BNAAA4MCA	B	156003		4320	2 3	
02	2	E-IR-P009+ NB-JP-18 FLOW TRANSMITTER	MS-FI-34S R 471 M.7/4.4	6082 M55111BNAAA4MCA	B	156003		4320	2 3	
02	2	E-IR-P009+ NB-JP-19 FLOW TRANSMITTER	MS-FI-34U R 471 J.7/8.0	6082 M55111BNAAA4MCA	B	156003		4320	2 3	
02	2	E-IR-P010+ NB-JP-10 FLOW TRANSMITTER	MS-FI-34V R 471 M.5/4.5	6082 M55111BNAAA4MCA	B	156007		4320	2 3	
02	2	E-IR-P009+ MS FLOW - H22-P009	MS-FI-34W R 471 J.7/8.0	6080 M55111BNAAA4MCA	B	156003		4320	2 3	
02B22	2 A,B1,C	E-IR-P004+ REACTOR LEVEL 3 AND 8 TRIPS	MS-LIS-24A R 525 H.4/7.1	1204 M529 H12	16483	198003	1 4 0.0	24	33+	F N
02B22	2 A,B1	E-IR-P027+ MS LEVEL	MS-LIS-24B H22-P027	BOARD M529 J5	288A	198001	1 4 0.0	24	33+	N
02B22	2 A,B1,C	E-IR-P005 MS LEVEL	MS-LIS-24C H22-P005	1204 M529 H5	228535-1	198004	1 4 0.0	24	33+	N
02B22	2 A,B1	E-IR-P026+ MS LEVEL	MS-LIS-24D H22-P026	1204 M529 J12	159C643010	198003	1 4 0.0	24	33+	F N
02B22	2 C	E-IR-P004+ VESSEL LEVEL FOR HPCS	MS-LIS-31A H22-P004	BOARD M529 H14	288A	198001		24	1 0	F
02B22	2 C	E-IR-P003+ VESSEL LEVEL FOR HPCS	MS-LIS-31B H22-P003	1204 M529 H4	16483	198003	1 4 0.0	24	33+	N
02B22	2 C	E-IR-P004+ VESSEL LEVEL FOR HPCS	MS-LIS-31C H22-P004	1204 M529 H14	288A	198001		24	1 0	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID LABING	TEST DEF.	ANL C.	P/O HOURS	C. ACCURACY	FREQ USE	TM HL
02B22 2 C	E-IR-P004+	MS-LIS-310	I204	164R3	198003	1 4	0 0	33+		N	
	VESSEL LEVEL FOR HPCS	H22-P004	R 526 N.6/5.8	R404	AM			24	1 0		
02B22 2 C	E-IR-P026+	MS-LIS-36A	Y010	33961	198008	1 4	0 0	33+		W N	
	MS LEVEL	H22-P026	R 530 J.9/4.5	H529	H14			24	1 0		
02B22 2 C	E-IR-P027+	MS-LIS-36B	Y010	4418C	198002	1 4	0 0	33+		N	
	MS LEVEL	H22-P027	R 527 H.7/6.8	H529	H14			24	1 0		
02B22 2 C	E-IR-P026+	MS-LIS-36C	Y010	4418C	198002	1 4	0 0	33+		F N	
	MS LEVEL	H22-P026	R 524 J.9/4.5	H529	H4			24	1 0		
02B22 2 C	E-IR-P027+	MS-LIS-36D	Y010	4418C	198002	1 4	0 0	33+		F N	
	MS LEVEL	H22-P027	R 527 H.7/6.8	H529	H4			24	1 0		
02B22 2 A	E-IR-P026+	MS-LIS-37A	I204	288A	198001	1 4	0 0	33+		N	
	MS LEVEL	H22-P026	R 530 J.9/4.5	H529	J13			24	1 0		
02B22 2 A	E-IR-P027+	MS-LIS-37B	I204	164R3	198003	1 4	0 0	33+		F N	
	MS LEVEL	H22-P027	R 527 H.7/6.8	R404	AB			24	1 0		
02B22 2 A	E-IR-P026+	MS-LIS-37C	I204	288A	198001	1 4	0 0	33+		F N	
	MS LEVEL	H22-P026	R 524 J.9/4.5	R404	AB			24	1 0		
02B22 2 A	E-IR-P027+	MS-LIS-37D	I204	164R3	198003	1 4	0 0	33+		F N	
	MS LEVEL	H22-P027	R 527 H.7/6.8	R404	AB			24	1 0		
02B22 2 A	E-IR-P026+	MS-LIS-38A	R080	288A	198001	1 4	0 0	33+		F N	
	MS LEVEL	H22-P026	R 524 J.9/4.5	R404	AB			24	1 0		
02B22 2 A	E-IR-P027+	MS-LIS-38B	I204	958-943-467-947	198006	1 4	0 0	33+		N	
	MS LEVEL	H22-P027	R 527 H.7/6.8	R404	AB			24	1 0		
02B22 2 A	E-IR-P026+	MS-LIS-26A	I204	760	199001	1 4	0 0	33+		F N	
	MS LEVEL - - H22-P004		R 530 J.9/4.5	H529	H13			24	1 0		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MF#	MF# MODEL NO. PLANT LOCATION DRAWING	QID	TEST	ANL	F/O	C	FREQ.	TH	HL
02B22	E-IR-P027+	MS-LITS-26B	I204	943-958-93	199002	1 4	0.0			33+	F	N
2 A	MS LEVEL	R 527 M77/628		R404	AM			24		1 0		
02B22	E-IR-P026+	MS-LITS-26C	8089	760	199001	1 4	0.0			33+		N
2 A	MS LEVEL	R 526 N8/5.8		R404	AM			24		1 0		
02B22	E-IR-P027+	MS-LITS-26D	8089	760	199001	1 4	0.0			33+		N
2 A	MS LEVEL	R 522 M8/14.6			AM			24		1 0		
02B22	E-IR-P010+	MS-LITS-44A	I204	760	199001							
2 A	MS LEVEL TRIP	R 471 M.5/4.5			RM			24		1 0		
02B22	E-IR-P009+	MS-LITS-44B	I204	760	199001	1 4	0.0			33+		N
2 A	MS LEVEL TRIP	R 471 J.6/8.1			AM			24		1 0		
02B22	MS-V-22A+	MS-LMS-22A1	N007	EA700-86010	200002							
2 B1	MN STM ISO VLV 22A LMT SW1	C 513 5 D AZ R27			XP			24		1 3		
02B22	MS-V-22A+	MS-LMS-22A2	N007	EA700-86010	200002							
2 A+B1	MN STM ISO VLV 22A LMT SW2 TO RPS	C 513 5 D AZ R27			XP			24		1 3		
02B22	MS-V-22A+	MS-LMS-22A3	N007	EA700-86010	200002							
2 B1	MN STM ISO VLV 22A LMT SW3	C 513 5 D AZ R27			XP			24		1 3		
02B22	MS-V-22B+	MS-LMS-22B1	N007	EA700-86010	200002							
2 B1	MN STM ISO VLV 22B LMT SW1	C 513 15 D AZ R27			XP			24		1 3		
02B22	MS-V-22B+	MS-LMS-22B2	N007	EA700-86010	200002							
2 A+B1	MN STM ISO VLV 22B LMT SW2 TO RPS	C 513 15 D AZ R27			XP			24		1 3		
02B22	MS-V-22B+	MS-LMS-22B3	N007	EA700-86010	200002							
2 B1	MN STM ISO VLV 22B LMT SW3	C 513 15 D AZ R27			XP			24		1 3		
02B22	MS-V-22C+	MS-LMS-22C1	N007	EA700-86010	200002							
2 B1	MN STM ISO VLV 22C LMT SW1	C 513 345 D AZ R27			XP			24		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG MODEL NO. PLANT LOCATION	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC				DRAWING	ASING	DRE	C	HOURS	ACCURACY	USE		
02B22 2 A,B1	MS-V-22C+	MS-LMS-22C2	N007	EA700-86010 C 513 345 D AZ R27	200002	XP		24		1 3		
		MN STM ISO VLV 22C LMT SW2 TO RPS		M529 F5								
02B22 2 B1	MS-V-22C+	MS-LMS-22C3	N007	EA700-86010 C 513 345 D AZ R27	200002	XP		24		1 3		
		MN STM ISO VLV 22C LMT SW3		M529 F5								
02B22 2 B1	MS-V-22D+	MS-LMS-22D1	N007	EA700-86010 C 513 355 D AZ R27	200002	XP		24		1 3		
		MN STM ISO VLV 22D LMT SW1		M529 E5								
02B22 2 A,B1	MS-V-22D+	MS-LMS-22D2	N007	EA700-86010 C 513 355 D AZ R27	200002	XP		24		1 3		
		MN STM ISO VLV 22D LMT SW2 TO RPS		M529 E5								
02B22 2 B1	MS-V-22D+	MS-LMS-22D3	N007	EA700-86010 C 513 355 D AZ R27	200002	XP		24		1 3		
		MN STM ISO VLV 22D LMT SW3		M529 F5								
02B22 2 B1	MS-V-28A+	MS-LMS-28A1	N007	EA700-86010 R 543 H7/5.9	200002	P		24		1 3		
		MN STM ISO VLV 28A LMT SW1		M529 F13								
02B22 2 A,B1	MS-V-28A+	MS-LMS-28A2	N007	EA700-86010 R 543 H7/5.9	200002	XP		24		1 3		
		MN STM ISO VLV 28A LMT SW2 TO RPS		M529 F13								
02B22 2 B1	MS-V-28A+	MS-LMS-28A3	N007	EA700-86010 R 543 H7/5.9	200002	P		24		1 3		
		MN STM ISO VLV 28A LMT SW3		M529 F13								
02B22 2 B1	MS-V-28B+	MS-LMS-28B1	N007	EA700-86010 R 543 H7/5.6	200002	XP		24		1 3		
		MN STM ISO VLV 28B LMT SW1		M529 E13								
02B22 2 A,B1	MS-V-28B+	MS-LMS-28B2	N007	EA700-86010 R 543 H7/5.6	200002	XP		24		1 3		
		MN STM ISO VLV 28B LMT SW2 TO RPS		M529 E13								
02B22 2 B1	MS-V-28B+	MS-LMS-28B3	N007	EA700-86010 R 543 H7/5.6	200002	P		24		1 3		
		MN STM ISO VLV 28B LMT SW3		M529 F13								
02B22 2 B1	MS-V-28C+	MS-LMS-28C1	N007	EA700-86010 R 543 H7/5.6	200002	P		24		1 3		
		MN STM ISO VLV 28C LMT SW1		M529 F4								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MF8	MF8 MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	AGEING	ONE	C	HOURS	ACCURACY	USE		
02B22 2 A,B1	MS-V-28C+ MN STM ISO VLV 28C LMT SW2 TO RPS	MS-LMS-28C2	N007	EA700-86010	200002			24	1 3			
02B22 2 B1	MS-V-28C+ MN STM ISO VLV 28C LMT SW3	MS-LMS-28C3	N007	EA700-86010	200002			24	1 3			
02B22 2 B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW1	MS-LMS-28D1	N007	EA700-86010	200002			24	1 3			
02B22 2 A,B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW2 TO RPS	MS-LMS-28D2	N007	EA700-86010	200002			24	1 3			
02B22 2 B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW3	MS-LMS-28D3	N007	EA700-86010	200002			24	1 3			
02H22 3 6	E-IR-H22/P027 MS LEVEL	MS-LT-27	0060	C 504555	209005			24	2 0			
41A 2 C	MS-V-16+ MOTOR OPERATOR MS-V-16	MS-MO-16	L200	SHB-000-7.5/1.56	221011	1 4	0.0	35	P Y			
41A 2 C	MS-V-19+ 0.36HP 3.8A MOTOR OPERATOR MS-V-19	MS-MO-19	L200	SHB-000-5/D56A	221011	1 4	0.0	35	N			
41B 2 C	MS-V-20+ 0.66HP MOTOR OPERATOR MS-V-20	MS-MO-20	L200	SHB-00-10/L56	221016	1 4	0.0	35				
215 2 C	MS-V-67A+ 0.5 HP MOTOR OPERATOR FOR MS-V-67A	MS-MO-67A	L200	SHB-000-5/	221016	1 4	0.0	35				
215 2 C	MS-V-67B+ 0.5 HP MOTOR OPERATOR FOR MS-V-67B	MS-MO-67B	L200	SHB-000-5/	221016	1 4	0.0	35				
215 2 C	MS-V-67C+ 0.5 HP MOTOR OPERATOR FOR MS-V-67C	MS-MO-67C	L200	SHB-000-5/	221016	1 4	0.0	35				

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID Q5	TEST AGING	ANL ONE	F/O C	FREQ HOURS	TH C	HL ACCURACY
EC				DRAWING					USE		
215 2 C	MS-V-67D+	MS-MQ-67D	L200	SHB-000-57	221016				24		1 3
		15 HP MOTOR OPERATOR FOR MS-V-67D	R 501 H7/8/2	M310	BA						
02 2 B	E-IR-H22/P026+	MS-PI-4A	R290	EP					24		2 3
		MS PRESSURE - H22-P026	R 525 J.7/4.7	M529	J13						
02B22 2 A	E-IR-P004+	MS-PS-20A	B069	164C5359P000R00	256002	1 4	0.0		33+	F	N
		MAIN STEAM ISO. VLV SCRAM INTERLOCK	R 525 J.9/7/1	M529	H12				24		1 0
02B22 2 A	E-IR-P027+	MS-PS-20B	B069	164C5359P001-R02	256002	1 4	0.0		33+	F	N
		MS ISO. VLV SCRAM INTRLK -H22-P027	R 524 H.7/7/6.8	M529	J13				24		1 0
02B22 2 A	E-IR-P003+	MS-PS-20C	B069	164C5359P001R03	256002	1 4	0.0		33+		N
		MS ISO. VLV SCRAM INTRLK -H22-P003	R 526 H.8/5.8	M529	H5				24		1 0
02B22 2 A	E-IR-P026+	MS-PS-20D	B069	164C5359P001R02	256002	1 4	0.0		33+	F	N
		MS ISO. VLV SCRAM INTRLK -H22-P026	R 524 H.9/4.5	M529	J12				24		1 0
02B22 2 A	E-IR-P004+	MS-PS-23A	B069	164C5359P000R01	256002	1 4	0.0		33+	F	N
		HIGH VESSEL PRESSURE H22-P004	R 525 J.9/7/1	M529	H13				24		1 0
02B22 2 A	E-IR-P027+	MS-PS-23B	B069	164C5359P001-R02	256002	1 4	0.0		33+	F	N
		HIGH VESSEL PRESSURE	R 524 H.7/7/6.8	M529	J13				24		1 0
02B22 2 A	E-IR-P00B+	MS-PS-23C	B069	164C5359P001R03	256002	1 4	0.0		33+		N
		HIGH VESSEL PRESSURE H22-P003	R 526 H.8/5.8	M529	H5				24		1 0
02B22 2 A	E-IR-P026+	MS-PS-23D	B069	164C5359P001R02	256002	1 4	0.0		33+	F	N
		HIGH VESSEL PRESSURE H22-P026	R 524 J.9/4.5	M529	J13				24		1 0
02B22 2 C	E-IR-P026+	MS-PS-39A	B069	164C5359P001R02	256002	1 4	0.0		33+	F	N
		RELIEF VLV PRESS SWITCH	R 524 J.9/4.5	M529	J13				24		1 0
02B22 2 C	E-IR-P026+	MS-PS-39B	B069	164C5359P001R02	256002						
		RELIEF VLV PRESS SWITCH	R 524 J.9/4.5	M529	J13				24		1 0

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UMP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	UID R404 RB	TEST DHE	ANL E	F70 HOURS	C USE	FREQ ACCURACY	TH HL
02B22 2 C	E-IR-P026+	MS-PS-39C	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39D	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39E	B069 R 524 J.9/4.5	164C5359P001R02 M530 J15	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39F	B069 R 524 J.9/4.5	164C5359P001 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39G	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39H	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13	256002	1 4	0 0	24	33+	F	N
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39I	B069 R 530 J.9/4.5	164C5359P001 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39J	B069 R 524 J.9/4.5	164C5359P001 M529 J13	256002	1 4	0 0	24	33+	N	
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39K	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39L	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39M	B069 R 524 J.5/4.5	164C1359P001R03 M529 J13	256002			24	1 0		F
		RELIEF VLV PRESSURE SWCH H22-P26									
02B22 2 C	E-IR-P026+	MS-PS-39N	B069 R 524 J.5/4.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F	N
		RELIEF VLV PRESS SWITCH									

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
WHP-2 CLASS 12 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	RID Q3	TEST AB	ANL C	F/O HOURS	C C	FREQ ACCURACY	TH	HL
EC				DRAWING					USE			
02B22 2 C	E-IR-P026+	MS-PS-39P	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		RELIEF VLV PRESS SWITCH							1 0			
02B22 2 C	E-IR-P026+	MS-PS-39R	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		RELIEF VLV PRESS SWITCH							1 0			
02B22 2 C	E-IR-P026+	MS-PS-39S	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		RELIEF VLV PRESS SWITCH							1 0			
02B22 2 C	E-IR-P026+	MS-PS-39U	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		RELIEF VLV PRESS SWITCH							1 0			
02B22 2 C	E-IR-P026+	MS-PS-39V	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		RELIEF VLV PRESS SWITCH							1 0			
02B22 2 C	E-IR-P026+	MS-PS-45A	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0 0	24	33+	F N		
		MS PRESSURE H22-P026							1 0			
02B22 2 C	E-IR-P027+	MS-PS-45C	B069 R 524 M.7/7.6.8	164C1359P001-R03 M529 J5	256002	1 4	0 0	24	33+	F N		
		MS PRESSURE H22-P027							1 0			
02B22 2 C	E-IR-P027+	MS-PS-45D	B069 R 524 M.7/7.6.8	164C1359P001-R03 M529 J5	256002	1 4	0 0	24	33+	F N		
		MS PRESSURE H22-P027							1 0			
02B22 2 C	E-IR-P004+	MS-PS-47A	S382 R 575 J.5/7.1	12H-AAS-SLOTT M529 G12	256016	1 4	0 0	24	33+	F N		
		DRYWELL							1 0			
02B22 2 C	E-IR-P005+	MS-PS-47B	S382 R 526 M.8/5.8	12H-AAS-NOTT M529 64	256016	1 4	0 0	24	33+	N		
		DRYWELL PRESS FOR HPCS H22-P005							1 0			
02B22 2 C	E-IR-P004+	MS-PS-47C	S382 R 575 J.5/7.1	12H-AAS-XLOTT M529 G12	256016	1 4	0 0	24	33+	F N		
		DRYWELL PRESSURE							1 0			
02B22 2 C	E-IR-P005+	MS-PS-47D	S382 R 526 M.8/5.8	12H-AAS-NOTT M529 64	256016	1 4	0 0	24	33+	N		
		DRYWELL PRESS FOR HPCS H22-P005							1 0			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID DRAWING	TEST DRE	ANL C	F70 HOURS	C USE	FREQ ACCURACY	TH	HL
02B22 2 C	E-IR-P026+	MS-PS-48A	S382	12-AAS-X1051TT	256016	1 4	0 0	24	33+	F	N	
	DRYWELL PRESSURE	H22-P026	R 535 J.5/4.5	M529 G12	R404 AB			1 0				
02B22 2 C	E-IR-P027+	MS-PS-48B	S382	2B2-E7H67	256016	1 4	0 0	24	33+	F	N	
	DRYWELL PRESSURE	H22-P027	R 527 M.7/6.8	M529 G5	R404 AB			1 0				
02B22 2 C	E-IR-P026+	MS-PS-48C	S382	12-AAS-X1051TT	256016	1 4	0 0	24	33+	F	N	
	DRYWELL PRESSURE	H22-P026	R 535 J.5/4.5	M529 G12	R404 AB			1 0				
02B22 2 C	E-IR-P027+	MS-PS-48Q	S382	12H-AA5-Y1051TT	256016			24		F		
	DRYWELL PRESSURE	H22-P027	R 527 M.7/6.8	M529 G5	R404 NH			1 0				
02B22 3 I	E-IR-P026+	MS-PT-51A	B015	K0556	259001	1 4	0 0	24	33+	F	N	
	MS PRESSURE - - H22-P026		R 535 J.4/7.1	M529 H12	R404 AP			1 0				
02B22 3 I	E-IR-P027+	MS-PT-51B	B045	85611GEAALMEW	259001	1 4	0 0	24	33+		N	
	MS PRESSURE - - H22-P027		R 522 M.7/6.8	M529 K4	R404 AP			1 0				
02D17 2 A	MS-RE-3A		G080	237X7316001	277002			24				
	MAIN STEAM LINE "A" RADIATION		R 508 H7/5.9	M502 D2	R310 XD			1 0				
02D17 2 A	MS-RE-3B		G080	237X7316001	277002			24				
	MAIN STEAM LINE "B" RADIATION		R 508 H7/5.6	M502 D1	R310 XD			1 0				
02D17 2 A	MS-RE-3C		G080	237X7316001	277002			24				
	MAIN STEAM LINE "C" RADIATION		R 508 H7/6.4	M502 D2	R310 XD			1 0				
02D17 2 A	MS-RE-3D		G080	237X7316001	277002			24				
	MAIN STEAM LINE "D" RADIATION		R 508 H7/6.1	M502 D1	R310 XD			1 0				
02 2 C	MS-RV-1A+	MS-SPV-1AC	G080	921D886NG001				24				
	SPV FOR MS-RV-1A		C 543 25 D AZ	R20	A			1 0				
02 2 C	MS-RV-1B+	MS-SPV-1BC	G080	921D886NG001				24				
	SPV FOR MS-RV-1B		C 543 30 D AZ	R25	A			1 0				

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DRE	ANL E	F/O HOURS	C C	FREQ ACCURACY	TM HL
EC										USE	
02 2 C	MS-RV-1C+	MS-SPV-1CC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-1C		C 543 315 D AZ R25	M529 K15							
02 2 C	MS-RV-1D+	MS-SPV-1DC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-1D		C 543 335 D AZ R20	M529 K15							
02 2 C	MS-RV-2A+	MS-SPV-2AC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-2A		C 543 30 D AZ R20	M529 K15							
02 2 C	MS-RV-2B+	MS-SPV-2BC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-2B		C 543 45 D AZ R25	M529 K15							
02 2 C	MS-RV-2C+	MS-SPV-2CC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-2C		C 543 300 D AZ R25	M529 K15							
02 2 C	MS-RV-2D+	MS-SPV-2DC	G080	921D886N6001				24		1 0	
	SPV FOR MS-RV-2D		C 543 320 D AZ R20	M529 K15							
02B22 2 B1	MS-SPV-22A1	A610	HTX-R320A20	315011				24		1 3	
	MN STM ISO VLV 22A TEST SOLENOID		C 513 5 D AZ R27	M529 F12							
02B22 2 B1	MS-SPV-22A2		C 513 5 D AZ R27	M529 F12				24		1 3	
	MN STM ISO VLV 22A TEST SOLENOID										
02B22 2 B1	MS-SPV-22A3		C 513 5 D AZ R27	M529 F12				24		1 3	
	MN STM ISO VLV 22A TEST SOLENOID										
02B22 2 B1	MS-SPV-22B2		C 513 15 D AZ R27	M529 F12				24		1 3	
	MN STM ISO VLV 22B TEST SOLENOID										
02B22 2 B1	MS-SPV-22B3		C 513 15 D AZ R27	M529 F12				24		1 3	
	MN STM ISO VLV 22B TEST SOLENOID										
02B22 2 B1	MS-SPV-22C2	A449	C 513 345 D AZ R27	M529 F05				24		1 3	
	MN STM ISO VLV 22C TEST SOLENOID										

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WHP-2 CLASS 1F EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. ROOM	QID AS	TEST ABTNG	ANL DBE	F70 C	FREQ HOURS	TH ACCURACY	HL
EC											USE
Q2B22		MS-SPV-22C3	A949								
2	B1	MN STM ISO VLV 22C TEST SOLENOID	C 513 345 D A2 R27	M529	F05				24	1 3	
12B22		MS-SPV-22D2									
2	B1	MN STM ISO VLV 22D TEST SOLENOID	C 513 355 D A2 R27	M529	F05				24	1 3	
Q2B22		MS-SPV-22D3									
2	B1	MN STM ISO VLV 22D TEST SOLENOID	C 513 355 D A2 R27	M529	E05				24	1 3	
Q2B22		MS-SPV-28A2									
2	B1	MN STM ISO VLV 28A TEST SOLENOID	R 513 H3/5.9	M529	F13				24	1 3	
Q2B22		MS-SPV-28A3									
2	B1	MN STM ISO VLV 28A TEST SOLENOID	R 513 H43/5.7	M529	F13				24	1 3	
Q2B22		MS-SPV-28B2									
2	B1	MN STM ISO VLV 28B TEST SOLENOID	R 513 H3/5.6	M529	E13				24	1 3	
Q2B22		MS-SPV-28B3									
2	B1	MN STM ISO VLV 28B TEST SOLENOID	R 513 H43/5.6	M529	E13				24	1 3	
Q2B22		MS-SPV-28C2									
2	B1	MN STM ISO VLV 28C TEST SOLENOID	R 513 H3/6.4	M529	F04				24	1 3	
Q2B22		MS-SPV-28C3									
2	B1	MN STM ISO VLV 28C TEST SOLENOID	R 513 H43/6.4	M529	F04				24	1 3	
Q2B22		MS-SPV-28D2									
2	B1	MN STM ISO VLV 28D TEST SOLENOID	R 513 H3/6.1	M529	E04				24	1 3	
Q2B22		MS-SPV-28D3									
2	B1	MN STM ISO VLV 28D TEST SOLENOID	R 513 H.3/6.1	M529	E04				24	1 3	
Q2		MS-RV-3A*									
2	C	SPV FOR MS-RV-3A	6080	9210886N6001					24	1 0	
			C 513 49 D A2 R20	M529	K15						

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST DATE	ANL C	F/D HOURS	C ACCURACY	FREQ IN	HL
02	MS-RV-3B+	MS-SPV-3BC	G080	921D886N001							
2	C	SPV FOR MS-RV-3B	C 543 67 D AZ R20	M529 K15	B			24	1 0		
02	MS-RV-3C+	MS-SPV-3CC	G080	921D886N001							
2	C	SPV FOR MS-RV-3C	C 543 290 D AZ R20	M529 K15	B			24	1 0		
02B22	MS-RV-3D+	MS-SPV-3DA	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-3D	C 547 310 DEG AZ	M529 DB	RB			24	1 0		
02B22	MS-RV-3D+	MS-SPV-3DB	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-3D	C 547 310 DEG AZ	M529 DB	RB			24	1 0		
02	MS-RV-3D+	MS-SPV-3DC	G080	921D886N001							
2	C	SPV FOR MS-RV-3D	C 543 310 D AZ R20	M529 K15	B			24	1 0		
02B22	MS-RV-4A+	MS-SPV-4AA	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-4A	C 547 62 DEG AZ	M529 F9	RB			24	1 0		
02B22	MS-RV-4A+	MS-SPV-4AB	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-4A	C 547 62 DEG AZ	M529 F9	RB			24	1 0		
02	MS-RV-4A+	MS-SPV-4AC	G080	921D886N001							
2	C	SPV FOR MS-RV-4A	C 543 55 D AZ R20	M529 K15	B			24	1 0		
02B22	MS-RV-4B+	MS-SPV-4BA	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-4B	C 547 75 DEG AZ	M529 D10	RB			24	1 0		
02B22	MS-RV-4B+	MS-SPV-4BB	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-4B	C 547 75 DEG AZ	M529 D10	RB			24	1 0		
02	MS-RV-4B+	MS-SPV-4BC	G080	921D886N001							
2	C	SPV FOR MS-RV-4B	C 543 80 D AZ R17	M529 K15	B			24	1 0		
02B22	MS-RV-4C+	MS-SPV-4CA	A613	C5246		315008					
2	C	SOLENOID PILOT FOR MS-RV-4C	C 547 285 DEG AZ	M529 F8	RB			24	1 0		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG PLANT LOCATION	MFG MODEL NO. DRAWING	QTY	TEST AGING	ANL C	F/O HOURS	FREQ ACCURACY	TH	HL
02B22	MS-RV-4C+	MS-SPV-4CB	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-4C	C 547 285 DEG AZ	M529 FB	RB			24	1.0		
02	MS-RV-4C+	MS-SPV-4CC	G080	921D886NG001							
2	C	SPV FOR MS-RV-4C	C 543 285 D AZ R25	M529 K15	B			24	1.0		
02B22	MS-RV-4D+	MS-SPV-4DA	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-4D	C 547 300 DEG AZ	M529 DB	RB			24	1.0		
02B22	MS-RV-4D+	MS-SPV-4DB	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-4D	C 547 300 DEG AZ	M529 DB	RB			24	1.0		
02	MS-RV-4D+	MS-SPV-4DC	G080	921D886NG001							
2	C	SPV FOR MS-RV-4D	C 543 300 D AZ R20	M529 K15	B			24	1.0		
02B22	MS-RV-5B+	MS-SPV-5BA	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-5B	C 547 80 DEG AZ	M529 D9	RB			24	1.0		
02B22	MS-RV-5B+	MS-SPV-5BB	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-5B	C 547 80 DEG AZ	M529 D9	RB			24	1.0		
02	MS-RV-5B+	MS-SPV-5BC	G080	921D886NG001							
2	C	SPV FOR MS-RV-5B	C 543 80 D AZ R20	M529 K15	B			24	1.0		
02B22	MS-RV-5C+	MS-SPV-5CA	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-5C	C 547 275 DEG AZ	M529 FB	RB			24	1.0		
02B22	MS-RV-5C+	MS-SPV-5CB	A613	C5246	315000						
2	C	SOLENOID PILOT FOR MS-RV-5C	C 547 275 DEG AZ	M529 FB	RB			24	1.0		
02	MS-RV-5C+	MS-SPV-5CC	G080	921D886NG001							
2	C	SPV FOR MS-RV-5C	C 543 280 D AZ R25	M529 K15	B			24	1.0		
02B22	MS-TE-4A	P427	C 501					0.0	00		
2	1	MS TEMP REBLDG541J4-4.8		M529 F10	TR			24	1.0		

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MWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	REG. PLANT LOCATION	REG. MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	P/O HOURS	C FREQUENCY	TH ACCURACY	HL
02B22	2 I	MS-TE-4B	P427				0.0	24	00	Y	
		MS TEMP REBLD6541L2-4.2	C 501	M529 F10				1.0			
02B22	2 I	MS-TE-4C	P427				0.0	24	00	Y	
		MS TEMP REBLD6541J9-7.2	C 501	M529 D7				1.0			
02B22	2 I	MS-TE-4D	P427				0.0	24	00	Y	
		MS TEMP REBLD6541K1-7.7	C 501	M529 F7				1.0			
02B22	2 I	MS-TE-4E	P427				0.0	24	00	Y	
		MS TEMP REBLD6541L9-4.3	C 501	M529 D11				1.0			
02B22	2 I	MS-TE-4F	P427				0.0	24	00	Y	
		MS TEMP REBLD6541L5-4.2	C 501	M529 D11				1.0			
02B22	2 I	MS-TE-4G	P427				0.0	24	00	Y	
		MS TEMP REBLD6541M5-7.2	C 501	M529 F6				1.0			
02B22	2 I	MS-TE-4H	P427				0.0	24	00	Y	
		MS TEMP REBLD6541M0-4.3	C 501	M529 D10				1.0			
02B22	2 I	MS-TE-4J	P427				0.0	24	00	Y	
		MS TEMP REBLD6541M7-6.5	C 501	M529 F11				1.0			
02B22	2 I	MS-TE-4K	P427				0.0	24	00	Y	
		MS TEMP REBLD6541J1-7.0	C 501	M529 D7				1.0			
02B22	2 I	MS-TE-4L	P427				0.0	24	00	Y	
		MS TEMP REBLD6541J8-7.5	C 501	M529 F6				1.0			
02B22	2 I	MS-TE-4M	P427				0.0	24	00	Y	
		MS TEMP REBLD6541M6-6.9	C 501	M529 F8				1.0			
02B22	2 I	MS-TE-4N	P427				0.0	24	00	Y	
		MS TEMP REBLD6541M1-7.3	C 501	M529 F8				1.0			

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	PLANT LOCATION	RISK	TEST	ANLT	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	DRAWING	ROOM	AS	AGING	DAF	C	HOURS	ACCURACY	USE		
02B22	I	MS-TE-4P	P427						0.0		00		Y
2	I	MS TEMP REBLD6541K4-7.8	C 501	H529	05	TR			24		1.0		
02B22	I	MS-TE-4R	P427						0.0		00		Y
2	I	MS TEMP REBLD6541L9-4.3	C 501	H529	D10	TR			24		1.0		
02B22	I	MS-TE-4S	P427						0.0		00		Y
2	I	MS TEMP REBLD6541L9-4.8	C 501	H529	F9	TR			24		1.0		
02B22	I	MS-TE-4U	P427						0.0		00		Y
2	I	MS TEMP REBLD6541J8-4.5	C 501	H529	D9	TR			24		1.0		
02B22	I	MS-TE-4V	P427						0.0		00		Y
2	I	MS TEMP REBLD6541J2-5.0	C 501	H529	0A	TR			24		1.0		
215	F	MSLC-FI-3A	F180	E130L					156001				
2	F	LOOP "A" TO MANIFOLD	R 477 H.4/5.7	H557	C6	XO			4320		1.0		
215	F	MSLC-FI-3B	F180	E130L					156001				
2	F	LOOP "B" TO MANIFOLD	R 474 H.4/5.7	H557	C5	XO			4320		1.0		
215	F	MSLC-FI-3C	F180	E130L					156001				
2	F	LOOP "C" TO MANIFOLD	R 477 H.4/5.8	H557	E6	XO			4320		1.0		
215	F	MSLC-FI-3D	F180	E130L					156001				
2	F	LOOP "D" TO MANIFOLD	R 474 H.4/5.8	H557	E5	XO			4320		1.0		
215	F	MSLC-H-A	C268										
2	F	MAIN STM LEAKAGE CONTROL HTR A	R 480 H.4/5.3	H557	C8	XR			24		1.0		
215	F	MSLC-H-B	C268										
2	F	MAIN STM LEAKAGE CONTROL HTR B	R 474 H.4/5.3	H557	C7	XR			24		1.0		
215	F	MSLC-H-C	C268										
2	F	MAIN STM LEAKAGE CONTROL HTR C	R 481 H.4/5.3	H557	E8	XR			24		1.0		

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VHP-2 CLASS C EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFC PLANT LOCATION	HFC MODEL NO. DRAWING	QID AGING	TEST DHE	ANL C	P70 HOURS	C ACCURACY	FREQ TH	HL
215		MSLC-H-D	C268								
2	F	MAIN STM LEAKAGE CONTROL HTR D	R 474 H.4/5.5	M557 E7	R206	XA		24	1 0		
28		MSLC-FH-1+	MSLC-M-1	M120	1BFC			213020			
2	F	1.5 HP MOTOR FOR MSLC-FH-1	R 473 H.4/6.5	M557 E4	R206	XB		24	1 0		
28		MSLC-FH-2+	MSLC-M-2	M120	1BFC/74056668			213020			
2	F	1.5HP MOTOR FOR MSLC-FH-2	R 501 H.6/7.5	M557 G3	R305	XA		24	1 0		
215		MSLC-V-1A+	MSLC-MO-1A	L200	SMC-04-3/42			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-1A	R 474 H.5/5.5	M557 C1	R310	XA		24	1 0		
215		MSLC-V-1B+	MSLC-MO-1B	L200	SMC-04-3/42			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-1B	R 474 H.5/5.6	M557 C6	R310	XA		24	1 0		
215		MSLC-V-1C+	MSLC-MO-1C	M120	1BFC			221069			
2	F	1HP MOTOR OPERATOR MSLC-V-1C	R 474 H.5/5.6	M557 D7	R310	XA		24	1 0		
215		MSLC-V-1D+	MSLC-MO-1D	L200	SMC-04-3/42			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-1D	R 474 H.5/5.5	M557 D6	R310	XA		24	1 0		
215		MSLC-V-10+	MSLC-MO-10	L200	SMB-000-5/P48			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-10	R 502 H5/6.0	M557 H5	R310	XA		24	1 0		
215		MSLC-V-2A+	MSLC-MO-2A	L200	SMB-000-5/P48			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-2A	R 502 H6/5.5	M557 C8	R310	XA		24	1 0		
215		MSLC-V-2B+	MSLC-MO-2B	L200	SMB-000-5/P48			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-2B	R 502 H5/5.3	M557 C8	R310	XA		24	1 0		
215		MSLC-V-2C+	MSLC-MO-2C	L200	SMB-000-5/P48			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-2C	R 502 H6/6.4	M557 E8	R310	XA		24	1 0		
215		MSLC-V-2D+	MSLC-MO-2D	L200	SMB-000-5/P48			221016			
2	F	1HP MOTOR OPERATOR MSLC-V-2D	R 502 H4/5.8	M557 E8	R310	XA		24	1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFGS PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST ONE	ANL C	P/O HOURS	C ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
215 2 F	MSLC-V-3A+	MSLC-MO-3A	L200	SHB-000-5/P48	221016						
	1HP MOTOR OPERATOR MSLC-V-3A	R 502 H6/5.5	M557	C5	R310	XA		24	1.0		
215 2 F	MSLC-V-3B+	MSLC-MO-3B	L200	SHB-000-5/P48	221016						
	1HP MOTOR OPERATOR MSLC-V-3B	R 502 H6/5.3	M557	C6	R310	XA		24	1.0		
215 2 F	MSLC-V-3C+	MSLC-MO-3C	L200	SHB-000-5/P48	221016						
	1HP MOTOR OPERATOR MSLC-V-3C	R 502 H6/6.4	M557	C6	R310	XA		24	1.0		
215 2 F	MSLC-V-3D+	MSLC-MO-3D	L200	SHB-000-5/P48	221016						
	1HP MOTOR OPERATOR MSLC-V-3D	R 502 H6/5.5	M557	E6	R310	RA		24	1.0		
215 2 F	MSLC-V-4+	MSLC-MO-4	L200	SHB-000-5/P48	221016						
	1.0HP MOTOR OPERATOR MSLC-V-4	R 502 H6/2/6.0	M557	J5	R310	XA		24	1.0		
215 2 F	MSLC-V-5+	MSLC-MO-5	L200	SHB-000-5/P48	221016						
	1.0HP MOTOR OPERATOR MSLC-V-5	R 502 H6/2/6.2	M557	J5	R310	XA		24	1.0		
215 2 F	MSLC-V-9+	MSLC-MO-9	L200	SHB-000-5/P48	221016						
	1 HP MOTOR OPERATOR MSLC-V-9	R 502 H6/2/6.4	M557	H5	R310	XA		24	1.0		
58 3 F	E-IR-74+	MSLC-PS-20	I204	0288	256007	1 4	0.0		04	F	N
	REACTOR PRESS INTERLOCK IR-74	R 575 J6/7/1	M557	KA	R404	BB		4320	1.0		
58 3 F	E-IR-74+	MSLC-PS-24	I204	0288	256007	1 4	0.0		04	F	N
	HEADER PRESS IR-74	R 575 H6/4/7.1	M557	J8	R404	BB		4320	1.0		
58 3 F	E-IR-74+	MSLC-PS-25	I204	0288	256007	1 4	0.0		04	F	N
	HEADER PRESS IR-74	R 575 H6/4/7.1	M557	J8	R404	BB		4320	1.0		
58 3 F	E-IR-74+	MSLC-PS-60	B080	0288	256007	1 4	0.0		04	F	N
	HEADER PRESS IR-74	R 575 H6/4/7.1	M557	J8	R404	BB		4320	1.0		
58 3 F	E-IR-73+	MSLC-PS-7A	J204	0288	256007	1 4	0.0		04	F	N
	LOOP "A" IR-73	R 535 H6/2/4.2	M557	610	R404	BB		4320	1.0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	RFB MODEL NO.	ROOM	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION		PLANT LOCATION	DRAWING		AGING	ONE	C	HOURS	USE	ACCURACY		
58 3 F	E-IR-73+ LOOP "B" IR-73	MSLC-PS-7B	B080 R 528 H-4/4.2	288A M557 F10	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ LOOP "C" IR-73	MSLC-PS-7C	B080 R 528 H-4/4.2	288A M557 F10	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ LOOP "D" IR-73	MSLC-PS-7D	B080 R 522 H-4/4.2	288A M557 F10	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ LOOP "A" PRESS IR-73	MSLC-PS-70A	I204 R 528 H-4/4.2	0288 M557 F8	R404 BB	256007	1 4	0 0	4320	04	F	N	
58 3 F	E-IR-73+ LOOP "B" PRESS IR-73	MSLC-PS-70B	B080 R 528 H-4/4.2	288A M557 F8	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ LOOP "C" PRESS IR-73	MSLC-PS-70C	B080 R 528 H-4/4.2	288A M557 F8	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ LOOP "D" PRESS IR-73	MSLC-PS-70D	B080 R 528 H-4/4.2	288A M557 F8	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8A	I204 R 528 H-4/4.2	0288 M557 E11	R404 BB	256007	1 4	0 0	4320	04	F	N	
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8B	B080 R 528 H-4/4.2	288A M557 F12	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8C	B080 R 528 H-4/4.2	288A M557 E12	R404 BB	256007	1 4	0 0	4320	04		N	
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8D	B080 R 528 H-4/4.2	288A M557 D12	R404 BB	256007	1 4	0 0	4320	04		N	
59 3 F	E-IR-74+ HEADER PRESS, IR-74	MSLC-PT-23	G082 R 525 H-4/7.1	103C1564P9122 M557 J8	BB	259003			4320	1 0			

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG MODEL NO. PLANT LOCATION DRAWING	QTY	AGRD	TEST	ANL	F/D HOURS	C	FREQ ACCURACY	TH	HL
59	E-IR-73+	MSLC-PT-6A	R369	11510P9A22MBGE3									
3	F	MS LINE A PRESS	R 528 H.4/4.2	R404	AB				4320		1 0		
59	E-IR-73+	MSLC-PT-6B	R369	11510P9A22MBGE3									
3	F	MS LINE B PRESS	R 528 H.4/4.2	R404	AB				4320		07	R	
59	E-IR-73+	MSLC-PT-6C	R369	11510P9A22MBGE3									
3	F	MS LINE C PRESS	R 528 H.4/4.2	R404	AB				4320		07	R	
59	E-IR-73+	MSLC-PT-6D	R369	11510P9A22MBGE3									
3	F	MS LINE D PRESS	R 528 H.4/4.2	R404	AB				4320		07	R	
58	E-IR-74+	MSLC-RLY-CR/1	A500	RK223067-EP									
3	F	REACTOR & MS LINE CNTRL INTERLK	R 527 H.4/7.4.1		AD	283015	2 1	0.0	24		02	N	
58	E-IR-73+	MSLC-RLY-CR/1A	A500	RK223067-EP									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1B	A500	RK223067-EP									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1C	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1D	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1E	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1F	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1G	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1H	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1I	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	
58	E-IR-73+	MSLC-RLY-CR/1J	A500	RK223067-ED									
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD	283015	2 1	0.0	24		02	F N	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WHP-2 CLASS 10 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID QTY	TEST OBE	ANL E	F/O HOURS	C ACCURACY	FREQ TH	HL
58	3 F	E-IR-73+ MSLC-RLY-CR/13 MS-MSLC CONTROL INTERLK	A500 R 528 H-4/4.2	RK223067-EP E519/30	283015	2 1	0 0	24	02	F N	
58	3 F	E-IR-74+ MSLC-RLY-CR/3 ATMOS PRES. CONTROL INTERLK	A500 R 527 H-4/7.1	RK223067-EP E519/31	283015	2 1	0 0	24	02	N	
218	3 F	E-IR-74+ MSLC-RLY-CR/4 CONTROL SWITCH INTERLK	A500 R 522 H-4/7.1	RK223067-EP E519/31	283015	2 1	0 0	24	33+	N	
218	3 F	E-IR-74+ MSLC-RLY-CR/5 CONTROL INTERLK	S440 R 522 H-4/7.1	219VDP E519/31	283041			24	1 0		
58	3 F	E-IR-73+ MSLC-RLY-CR/5A1 MSL PRESSURE INTERLK	A500 R 528 H-4/4.2	RK223067-EP E519/30	283015	2 1	0 0	24	02	F N	
58	3 F	E-IR-73+ MSLC-RLY-CR/5A2 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK225052-CP E519/30	283011			24	1 0	F	
58	3 F	E-IR-73+ MSLC-RLY-CR/5B1 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK225052-CP E519/30	283015	2 1	0 0	24	02	F N	
58	3 F	E-IR-73+ MSLC-RLY-CR/5B2 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK225052-CP E519/30	283011			24	1 0	F	
58	3 F	E-IR-73+ MSLC-RLY-CR/5C1 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK223067-EP E519/30	283015	2 1	0 0	24	02	F N	
58	3 F	E-IR-73+ MSLC-RLY-CR/5C2 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK225052-CP E519/30	283011			24	1 0	F	
58	3 F	E-IR-73+ MSLC-RLY-CR/5D1 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK223067-EP E519/30	283015	2 1	0 0	24	02	F N	
58	3 F	E-IR-73+ MSLC-RLY-CR/5D2 MSL PRESSURE INTERLK (60 SEC TD)	A500 R 528 H-4/4.2	RK225052-CP E519/30	283011			24	1 0	F	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	REF.	REF. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	QID	TEST	ANL	F/O	C	ACCURACY		
58		E-IR-73+	MSLC-RLY-CR/6A1	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	AD				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6A2	A500	RK225052-CP	283011						
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	NH				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6B1	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	AD				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6B2	A500	RK225052-CP	283011						
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	NH				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6C1	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	AD				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6C2	A500	RK225052-CP	283011						
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	NH				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6D1	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	AD				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/6D2	A500	RK225052-CP	283011						
3	F	MSL PRESSURE INTERLK (150 SEC TD)	R 528 H4/4.2	NH				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/8	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	CONTROL SWITCH INTERLK	R 528 H4/4.2	AD				24		1 0		
58		E-IR-73+	MSLC-RLY-CR/9	A500	RK223067-EP	283015	2 1	0 0		02	F	N
3	F	CONTROL SWITCH INTERLK	R 528 H4/4.2	AD				24		1 0		
58		E-IR-74+	MSLC-RLY-TK/2	A109	7012AE	283013	2 1	0 0		40		N
3	F	TIME DELAY PICKUP RELAY (60 SEC)	R 527 H4/7.1	AA				24		1 0		
58		E-IR-73+	MSLC-RLY-TK/2A	A109	7012AE	283013	2 1	0 0		40		N
3	F	TIME DELAY PICKUP RELAY (60 SEC)	R 528 H4/4.2	AA				24		1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNP-2 CLASS II EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MPG. PLANT LOCATION	MPG. MODEL NO. DRAWING	QID AGE	TEST HRE	ANL C	F/O HOURS	C C	FREQ ACCURACY	TH N	HL
58	E-IR-73+	MSLC-RLY-TK/2B	A109	7012AE	283013	2 1	0 0			40		N
3 F		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/2C	A109	7012AE	283013	2 1	0 0			40		N
3 F		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/2D	A109	7012AE	283013	2 1	0 0			40		N
3 F		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/3A	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/3B	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/3C	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/3D	A109	7012AE	283013	2 1	0 0			40		N
3 F		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/4A	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/4B	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/4C	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	AA				24		1 0		
58	E-IR-73+	MSLC-RLY-TK/4D	A109	7012AE	283013	2 1	0 0			40	F	N
3 F		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	AA				24		1 0		
215	MSLC-H-A+	MSLC-TE-10A	H329	TC-2370-C-A-250-11	339003							
3 F		LOOP "A" TO MANIFOLD	R 477 H-4/5.7	R206	XD			24		1 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NHP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	GTO AGINE	TEST DBE	ANL C	P/O HOURS	C ACCURACY	FREQ USE	TH HL
215 3	F	MSLC-H-B+ LOOP "B" TO MANIFOLD	MSLC-TE-10B R 474 H44/947	H329 H557 C7	TC-2370-C-A-250-TT R206 XD	339003		24	1 0		
215 3	F	MSLC-H-C+ LOOP "C" TO MANIFOLD	MSLC-TE-10C R 477 H44/948	H329 H547 E6	TC-2370-C-A-250-TT R206 XD	339003		24	1 0		
215 3	F	MSLC-H-D+ LOOP "D" TO MANIFOLD	MSLC-TE-10D R 474 H44/948	H329 H557 E6	TC-2370-C-A-250-TT R206 XD	339003		24	1 0		
220 2	B1	PI-SV-250	T020 R 537 H48/643	1021010-1-B-1-S H543 F13	324002			4320	1 0		
220 2	B1	PI-SV-251	T020 R 537 H48/643	1021010-1-B-1-S H543 F13	324002			4320	1 0		
220 2	B1	PI-SV-253	T020 R 536 H48/643	1021010-1-B-1-S H543 F13	324002			4320	1 0		
220 2	B1	PI-SV-256	T020 R 536 H5074.1	1021010-1-B-1-S H543 F07	324002			4320	1 0		
220 2	B1	PI-SV-257	T020 R 536 K15	1021010-1-B-1-S H543 F07	324002			4320	1 0		
220 2	B1	PI-SV-259	T020 R 536 K15	1021010-1-B-1-S H543 F07	324002			4320	1 0		
220 2	I	PI-SV-262	T020 R 536	1021010-1-B-1-S H543 E13	324002			4320	2 0		
220 2	I	PI-SV-263	T020 R 536	1021010-1-B-1-S H543 E13	324002			4320	2 0		
220 2	I	PI-SV-264	T020 R 536	1021010-1-B-1-S H543 E13	324002			4320	2 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. DRAWING	Q10 AGING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH ...	HL
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220 2 I	PI-SV-265	T020	1021010-1-B-1-S	324002				4320	2 0			
	R 479		M543 E13	BH								
220 2 I	PI-SV-266	T020	1021010-1-B-1-S	324002				4320	2 0			
	R 536		M543 E07	BH								
220 2 I	PI-SV-267	T020	1021010-1-B-1-S	324002				4320	2 0			
	R 536		M543 E07	BH								
220 2 I	PI-SV-268	T020	1021010-1-B-1-S	324002				4320	2 0			
	R 536		M543 E07	BH								
220 2 I	PI-SV-269	T020	1021010-1-B-1-S	324002				4320	2 0			
	R 536		M543 E06	BH								
215 2 B1	RCC-V-104	RCC-MO-104	R 514 K.0/4.3	M525 E11				.017	1 0			
	MOTOR OPERATOR FOR RCC-V-104											
31A 2 F	RCC-V-129	RCC-MO-129	R 548	M525 E5	NA			.017	1 0			
	RCC-V-129 MOTOR OPERATOR											
41A 2 F	RCC-V-130	RCC-MO-130	R 548	M525 E6	NA			.017	1 0			
	RCC-V-130 MOTOR OPERATOR											
41A 2 F	RCC-V-131	RCC-MO-131	R 548	M525 E6	NA			.017	1 0			
	RCC-V-131 MOTOR OPERATOR											
41A 2 B1	RCC-V-21	RCC-MO-21	L200 R 515 K.7/4.1	SM8-0-15/M56 R312 AB	221011	1 4	0 0	.017	35		Y	
	1HP 2.8A MOTOR OPERATOR RCC-V-21											
41A 2 B1	RCC-V-40	RCC-MO-40	L200 C 517 78 0 AZ	SM8-0-15/M56 M525 D11	221011	1 4	0 0	.017	35		Y	
	0.7HP 2.3A MOTOR OPERATOR RCC-V-40											
41A 2 B1	RCC-V-5	RCC-MO-5	L200 R 515 K.8/4.1	SM8-0-15/M56 R312 AB	221011	1 4	0 0	.017	35		Y	
	1HP 2.8A MOTOR OPERATOR RCC-V-5											

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF01 PLANT LOCATION	MF02 DRAWING	MF03 ROOM	MF04 AGEING	TEST OBS	ANL C	P/O HOURS	C ACCURACY	FREQ TH	HL
69	RCIC-V-65	RCIC-LMS-65	H007	2A1133		200004						
3	B1,C	LIMIT SWITCH RCIC-V-65	R 368 H26/514	M519	H6				24	2 1		
3	B1,C	RCIC-V-66+	RCIC-LMS-66	C 606 150 D A2					24	2 1		
		LIMIT SWITCH RCIC-V-66		M519 J4								
41A	RCIC-V-13+	RCIC-MO-13	L200	SNB-0-40/D2020		221011	1 4	0 0		35		N
2	B1,C	2.9HP MOTOR OPERATOR RCIC-V-13	R 352 545/H46	M519	H7				24	2 1		
41A	RCIC-V-31+	RCIC-MO-31	L200	SNB-00-19/H55		221011	1 4	0 0		35		Y
2	B1,C	1HP 9.6A MOTOR OPERATOR RCIC-V-31	R 450 H-8/740	M519	D7				24	2 1		
41A	RCIC-V-59+	RCIC-MO-59	L200	SNB-0-40/D2020		221011	1 4	0 0		35		N
2	B2,C	2.9HP MOTOR OPERATOR RCIC-V-59	R 446 H740.0	M519	J8				24	2 1		
41A	RCIC-V-63+	RCIC-MO-63	L200	SNB-2-60/D21BR2		221009	1 4	0 0		35		N
2	B1,C	7HP 10.7A MOTOR OPER. RCIC-V-63	C 555 131 D A2 R19	M519	H5				24	2 1		
41A	RCIC-V-64+	RCIC-MO-64	L200	SNB-2-80/D5225H		221009	1 4	0 0		35		Y
2	B1,C	5.8HP 20A MOTOR OPER. RCIC-V-64	R 556 466/L29	M519	G6				24	2 1		
41A	RCIC-V-68+	RCIC-MO-68	L200	SNB-015/D136F		221011	1 4	0 0		35		N
2	B1,C	1.08HP MOTOR OPERATOR RCIC-V-68	R 474 J.1/7.5	M519	E7				24	2 1		
215	RCIC-V-69+	RCIC-MO-69	L200	SNB-000-5		221016						
2	B1,C	2.0HP MOTOR OPERATOR RCIC-V-69	R 466 H6/646	M519	E7				24	2 1		
215	RCIC-V-76+	RCIC-MO-76	L200	SNB-000-5		221016						
2	B1,C	33HP/1.94.95A M O FOR RCIC-V-76	C 556 120 DEC	M519	H6				24	2 1		
41A	RCIC-V-8+	RCIC-MO-8	L200	SNB-00-7-5/D56C		221011	1 4	0 0		35		N
2	B1,C	54HP/5.5A MOTOR OPER FOR RCIC-V-8	R 515 J.0/5.0	M519	F6				24	2 1		
215	RCIC-V-110+	RCIC-MO-80	L200	SNB-000-5		221016						
2	B1,C	MOTOR OPER FOR RCIC-V-110	R 474 J.2/7.2	M519	E7				24	2 1		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	AFG. PLANT LOCATION	AFG MODEL NO. ROOM	BID AGING	TEST DRE	ANL G	F/O HOURS	C ACCURACY	FREQ TM	HL
EC				DRAWING						USE	
215 2	B1,C	RCIC-V-113+	RCIC-MO-86	L200 SHB-000-5	221016						
		MOTOR OPER FOR RCIC-V-113	R 474 J.2/7/62	M519	ET			24	2 1		
58 2	B1,C	E-IR-67+	RCIC-SPV-65	A499 WJHT831654	315004						
		REACTOR HEAD SPRAY IR -67-	R 556 5.8/7/68	M519	H6			24	2 1		
58 2	B1,C	E-IR-71+	RCIC-SPV-66	A499 WJHT831654	315004						
		RCIC TO REACTOR ISOLATION VALVE IR	R 528 J.0/6/69	M519	H6			24	2 1		
68-00 3	B2,F	REA-V-1+	REA-LMS-1	N007 7408100	200011						
		LIMIT SWITCH ON REA-V-1	R 593 H.5/6/60	M545	J3			4320	1 3		
68-00 3	B2,F	REA-V-2+	REA-LMS-2	N007 74080100	200010						
		LIMIT SWITCH ON REA-V-2	R 593 H.5/6/62	M545	J3			4320	1 3		
92B 2	F	REA-RE-19									
		RE FOR ELEVATED DISCH BETA SCINT	R 472	M544	F1				4 3		
59 2	B2,F	E-IR-71+	REA-RLY-CR1	A500 RK225052-CP	283011						
		CONTROL RELAY FOR ISOLATION VALVES	R 527 J.0/6/69	M519-12				4320	4 3		
59 2	B2,F	E-IR-68+	REA-RLY-CR2	A500 RK225-052-CP	283011						
		CONTROL RELAY FOR ISOLATION VALVES	R 554 H.7/8/62	M519-12				4320	4 3		
58 2	B,F	E-IR-71+	REA-SPV-1	A499 WJHT831654	315004						
		REACTOR BLDG. NORMALEXHAUST ISOLAT	R 530 J/6/69	M545	K3				1 3		
58 2	B,F	E-IR-68+	REA-SPV-2	A499 WJHT831654	315004						
		REACTOR BLDG. NORMALEXHAUST ISOLAT	R 552 H.7/8/66	M545	K3				1 3		
41A 2	G	RFW-V-65A+	RFW-MO-65A	L200 SHB-4-250/326UR4	221005	1 4	0.0.		29	Y	
		32.4HP MOTOR OPERATOR RFW-V-65A	R 505 H4/5/7	M529	613			4320	2 3		
41A 2	G	RFW-V-65B+	RFW-MO-65B	L200 SHB-4-250/326UR4	221005	1 4	0.0.		29	Y	
		32.4HP MOTOR OPERATOR RFW-V-65B	R 505 H4/6/63	M529	64			4320	2 3		

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58		E-IR-62+	RFW-SPV-32A1	A499	MJHT831654	315004	2 1	0.0	33+	N
2	B1	SOLENOID PILOT FOR RFW-V-32A IR-62	R 471 H.4/6.8	M529	612	R206	AM	4320	2 3	
58		E-IR-62+	RFW-SPV-32A2	A499	MJHT831654	315004	2 1	0.0	33+	N
2	B1	SOLENOID PILOT FOR RFW-V-32A IR-62	R 471 H.4/6.8	M529	612	R206	AM	4320	2 3	
58		E-IR-62+	RFW-SPV-32B1	A499	MJHT831654	315004	2 1	0.0	33+	N
2	B1	SOLENOID PILOT FOR RFW-V-32B IR-62	R 471 H.4/6.8	M529	65	R206	AM	4320	2 3	
58		E-IR-62+	RFW-SPV-32B2	A499	MJHT831654	315004	2 1	0.0	33+	N
2	B1	SOLENOID PILOT FOR RFW-V-32B IR-62	R 471 H.4/6.8	M529	65	R206	AM	4320	2 3	
02		RHR-CE-1A	R 540 J.9/8.5	M521	H13			4320	2 0	
2	6	CONDUCTIVITY ELEMENT FOR RHR-HX-1A								
02		RHR-CE-1B	R 540 J.9/8.5	M521	H4			4320	2 0	
2	6	RHR CONDUCTIVITY								
02E12		E-IR-H22/P018+	RHR-DPIS-12A	B080	MODEL 288	086001	1 4	0.0	33+	N
2	6	SD COOLING SUCTION FLOW H22-P018	R 501 J.6/3.6	M530	612	R305	AB	4320	2 3	
02E12		E-IR-H22/P021+	RHR-DPIS-12B	B080	MODEL 288	086001	1 4	0.0	33+	N
2	6	SD COOLING SUCTION FLOW H22-P021	R 501 H.8/9.3	M521	F7	R305	AB	4320	2 3	
02E12		E-IR-P018+	RHR-DPIS-29A	B080	288	086001	1 4	0.0	33+	N
2	6	RHR DIF PRESS LOOP A RET TO PRV	R 501 J.6/3.6	M521	H10	R312	AB	4320	2 0	
02E12		E-IR-P021+	RHR-DPIS-29B	B080	288	086001	1 4	0.0	33+	N
2	6	RHR DIF PRESS LOOP B RET TO PRV	R 501 H.8/7.3	M521	H8	R305	AB	4320	2 0	
02E12		RHR-DPIS-9A	B080	288A	086001	1 4	0.0	33		N
2	C+E	RHR DIF PRESS LOOP A RET TO PRV	R 522 H.8/5.8	M521	H11	R408	BB	4320	2 0	
02E12		RHR-DPIS-9B	B080	288A	086001	1 4	0.0	33		N
2	C+E	RHR DIF PRESS LOOP B RET TO PRV	R 522 H.8/6.2	M521	H7	R408	BB	4320	2 0	

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02E12 2 C,E		RHR-DPIS-9C	B080	288A	086001	1 4	0 0	4320	33		N	
		RHR DIF PRESS LOOP A RETURN TO PRV	R 522 H8/6.2	M521 F11					2 0			
02E12 3 C,E,I		RHR-FIS-10A	B080	289A	140001			4320	1 3			
		SHUTDOWN COOLING LOOP A* FLOW	R 501 J7/3.6	M521 H12								
02E12 3 C,E,I		RHR-FIS-10B	B080	289A	140001			4320	1 3			
		SHUTDOWN COOLING LOOP B* FLOW	R 501 H5/7.4	M521 H4								
02E12 3 C,E,I		RHR-FIS-10C	B080	289A	140001			4320	1 0			
		LOOP C* FLOW TO VESSEL	R 501 J7/3.6	M521 C7								
02 3 6		RHR-FT-13	6080	111BMAAAULF	156003			4320	2 3			
		FLOW TRANSMIT TO REACTOR HD SPRAY	R 553 5.4/H.7	M521 H6								
02 3 I		RHR-FT-15A	6080	111BMAAAULF		1 4	0 0	4320	33		N	
		FLOW TRANSMIT TO COOLING LOOP A	R 501 H.6/3.6	M521 H13					1 3			
02 3 I		RHR-FT-15B	6080	111BMAAAULF				4320	1 3			
		FLOW TRANSMIT TO COOLING LOOP B	R 501 H8/9.3	M521 H5								
02 3 I		RHR-FT-15C	6082	111BMAAAUCF	156003			4320	1 0			
		FLOW TRANSMITTER TO LOOP C	R 501 H.8/7.3	M521 D7								
02E12 3 C,E		RHR-V-111A	RHR-LMS-111A	N007 02400X				4320	2 0			
		LIMIT SWITCH ON RHR-V-111A	C 563 20 D AZ	R19								
3 C,E		RHR-V-111B	RHR-LMS-111B	N007 02400X				4320	2 0			
		LIMIT SWITCH FOR RHR-V-111B	C 563 158 D AZ	R19								
3 C,E		RHR-V-111C	RHR-LMS-111C	N007 1703100	200005			4320	2 0			
		LIMIT SWITCH FOR RHR-V-111C	C 563 325 D AZ	R20								
3 C,E		RHR-V-112A	RHR-LMS-112A	N007 1703100	200013			4320	2 3			
		LIMIT SWITCH FOR RHR-V-112A	C 512 79 D AZ	R21								

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EC				DRAWING					USE		
3	C,E	RHR-V-112B+ LIMIT SWITCH FOR RHR-V-112B	RHR-LMS-112B C 512 265 D AZ R20	N007 1703100 M521				4320	2 3		
3	C,E	RHR-V-113+ LIMIT SWITCH FOR RHR-V-113	RHR-LMS-113 C 512 165 D AZ R22	N007 1703100 M521				4320	2 3		
3	C,E	RHR-V-41A+ LIMIT SWITCH FOR RHR-V-41A	RHR-LMS-41A C 563 20 D AZ R19	N007 1703100 M521				4320	2 0		
3	C,E	RHR-V-41B+ LIMIT SWITCH FOR RHR-V-41B	RHR-LMS-41B C 563 58 D AZ R19	N007 1703100 M521				4320	2 0		
3	C,E	RHR-V-41C+ LIMIT SWITCH FOR RHR-V-41C	RHR-LMS-41C C 563 360 D AZ R20	N007 1703100 M521				4320	2 0		
3	C,E	RHR-V-50A+ LIMIT SWITCH FOR RHR-V-50A	RHR-LMS-50A C 512 100 D AZ R25	N007 1703100 M521				4320	2 3		
3	C,F	RHR-V-50B+ LIMIT SWITCH FOR RHR-V-50B	RHR-LMS-50B C 508 270 D AZ R27	N007 1703100 M521				4320	2 3		
3	C,E	RHR-V-89+ LIMIT SWITCH FOR RHR-V-89	RHR-LMS-89 R 553 N-2/8-9	N007 1703100 M521				4320	2 0		
215 3	6	RHR-LS-10A RHR DRAIN POT LOOP A - -	M040 R 474 M-0/7-9	751-SPX-M14 M521				4320	2 1		
215 3	6	RHR-LS-10B RHR DRAIN POT LOOP A - -	M040 R 474 M-0/7-9	751-SPX-M14 M521				4320	2 1		
215 3	6	RHR-LS-10C RCIC STM COND MODE DRIP LEG	M040 R 474 M-0/7-9	751-SPX-M14 M521				4320	2 1		
215 3	6	RHR-LS-10D RCIC STM COND MODE DRIP LEG	M040 R 474 M-0/7-9	751-SPX-M14 M521				4320	2 1		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DRF	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
215	3	RHR-LS-11A	M040	751-SPX-M14	207011			4320	2	1	
		RHR DRAIN POT LOOP B - -	R 474 K.0/8.0	M521 D14							
215	3	RHR-LS-11B	M040	751-SPX-M14	207011			4320	2	1	
		RHR DRAIN POT LOOP B - -	R 474 K.0/8.0	M521 D14							
215	3	RHR-LS-11C	M040	751-SPX-M14	207011			4320	2	1	
		RHR DRAIN POT LOOP B - -	R 474 K.0/8.0	M521 D13							
215	3	RHR-LS-11D	M040	751-SPX-M14	207011			4320	2	1	
		RHR DRAIN POT LOOP B - -	R 474 K.0/8.0	M521 D13							
02	2	RHR-LT-8A	B080	352/358	209001	2 1	0.0	4320	00		N
		LEVEL TRANSMITTER TO HX-A	R 548 J.0/8.6	M521 H14							
02	2	RHR-LT-8B	B080	352/358	209001	2 1	0.0	4320	00		N
		LEVEL TRANSMITTER TO HX-B	R 548	M521 H4							
02E12	2	RHR-P-2A	B080	5K6339XC122A/P236	213032		0.1	4320			Y
		800HP/105A MOTOR FOR RHR-P-2A	R 422 K/8.6	M521 B12							
02E12	2	RHR-P-2B	B080	5K6339XC122A/P236	213032		0.1	4320			Y
		800HP/105A MOTOR FOR RHR-P-2B	R 422 M/8.6	M521 B6							
02E12	2	RHR-P-2C	B082	5K6339XC122A	213032		0.1	4320			Y
		800HP/105A MOTOR FOR RHR-P-2C	R 424 H.7/4.6	M521 B9							
35A	2	RHR-P-3	W120	750407A6	213016			4320			
		15HP/18.5A MOTOR FOR RHR-P-3	R 429 H.4/4.8	M521 B9							
41A	2	RHR-V-11A	L200	SMB-000-5/K48	221008	1 4	0.0	4320	35		Y
		.33HP .95A MOTOR OPER. RHR-V-11A	R 475 K.2/8.1	M521 F12							
41A	2	RHR-V-11B	L200	SMB-000-5/K48	221008	1 4	0.0	4320	35		Y
		.333HP MOTOR OPERATOR RHR-V-11B	R 475 L.8/8.1	M521 E7							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	REF.	REF. MODEL NO.	QTY	TEST	ANL	F75	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	HS	AGING	ORE	USE	ACCURACY			
215	RHR-V-124A+	RHR-MO-124A	L200	SNC-04-5/42	221010	1	4	0.0		33		H
2	C,E	1HP MOTOR OPERATOR RHR-V-124A	R 473 K.3/8.1	M521	D14			4320		2.1		
215	RHR-V-124B+	RHR-MO-124B	L200	SNC-04-5/42	221010	1	4	0.0		33		H
2	C,E	5.3HP/16.8-8.4A MO FOR RHR-V-124B	R 473 K.9/8.1	M521	D14			4320		2.1		
215	RHR-V-125A+	RHR-MO-125A	L200	SNC-04/42	221016			4320				
2	C,E	.33HP MOTOR OPERATOR RHR-V-125A	R 473 L.5/8.1	M521	D4			4320		2.1		
215	RHR-V-125B+	RHR-MO-125B	L200	SNC-04/42	221010	1	4	0.0		33		H
2	C,E	.33 HP MOTOR OPERATOR RHR-V-125B	R 473 L.4/8.1	M521	D4			4320		2.1		
215	RHR-V-134A+	RHR-MO-134A	L200		221016			4320				
2	D	MOTOR OPERATOR RHR-V-134A	R 548 9.0/K.1	M521	G18			4320		1.0		
215	RHR-V-134B+	RHR-MO-134B	L200		221016			4320				
2	D	MOTOR OPERATOR RHR-V-134B	R 548 1.5/9.2	M521	F2			4320		1.0		
41A	RHR-V-16A+	RHR-MO-16A	L200	SMB-2-80/C215Y	221006	1	4	0.0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-16A	R 556 4.4/L.10	M521	H11			24		1.0		
41A	RHR-V-16B+	RHR-MO-16B	L200	SMB-2-80/C215Y	221016	1	4	0.0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-16B	R 516 K.7/8.1	M521	F6			24		1.0		
41A	RHR-V-17A+	RHR-MO-17A	L200	SMB-2-80/C215Y	221006	1	4	0.0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-17A	R 556 4.4/L.10	M521	H10			24		1.0		
41A	RHR-V-17B+	RHR-MO-17B	L200	SMB-2-80/C215Y	221016	1	4	0.0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-17B	R 516 K.5/8.1	M521	F6			24		1.0		
41B	RHR-V-21+	RHR-MO-21	L200	SMB-3-80/213R3	221009	1	4	0.0		35		Y
2	B1,C,E	5.3HP 8.4A MOTOR OPER. RHR-V-21	R 453 5.2/H.4	M521	E11			4320		1.0		
41B	RHR-V-23+	RHR-MO-23	L200	SMB-0-15/056F	221011	1	4	0.0		35		H
2	B1,C,E	1.08HP 4.7A MOTOR OPER. RHR-V-23	R 552 5.4/H.6	M521	J7			4320		1.3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HE
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AS	ASING	DRF	C	HOURS	ACCURACY			
41B 2	RHR-V-24A+ B1,C,E	RHR-MQ-24A	L200	SMB-1-80/213R3	221009	1 4	0 0			35		Y
	5.3HP 8.3A MOTOR OPER. RHR-V-24A	R 476 K.0/8.1	M521	E15	AB			4320	1 0			
41B 2	RHR-V-24B+ B1,C,E	RHR-MQ-24B	L200	SMB-3-80/213R3	221009	1 4	0 0			35		Y
	5.3HP MOTOR OPERATOR RHR-V-24B	R 476 M.2/8.1	M521	E6	AB			4320	1 0			
41A 2	RHR-V-26A+ C,E	RHR-MQ-26A	L200	SMB-000-5/K48	221008	1 4	0 0			35		Y
	0.333HP MOTOR OPERATOR RHR-V-26A	R 476 K.5/8.1	M521	G13	AB			4320	1 1			
41A 2	RHR-V-26B+ C,E	RHR-MQ-26B	L200	SMB-000-5/K48	221008	1 4	0 0			35		Y
	0.333HP MOTOR OPERATOR RHR-V-26B	R 474 L.2/8.1	M521	F4	AB			4320	1 1			
41A 2	RHR-V-27A+ B1,C,E	RHR-MQ-27A	L200	SMB-00-7.5/L56	221011	1 4	0 0			35		Y
	0.5HP MOTOR OPERATOR RHR-V-27A	R 495 K.3/4.1	M521	E11	AB			24	1 0			
41A 2	RHR-V-27B+ B1,C,E	RHR-MQ-27B	L200	SMB-00-7.5/L56	221011	1 4	0 0			35		Y
	0.5HP MOTOR OPERATOR RHR-V-27B	R 495 K.3/4.1	M521	E7	AB			24	1 0			
41A 2	RHR-V-3A+ C,E	RHR-MQ-3A	L200	SMB-1-40/T56	221007	1 4	0 0			35		Y
	2.66HP MOTOR OPERATOR RHR-V-3A	R 562 S.5/J.9	M521	J15	AB			4320	1 3			
41A 2	RHR-V-3B+ C,E	RHR-MQ-3B	L200	SMB-1-40/T56	221007	1 4	0 0			35		N
	2.66HP MOTOR OPERATOR RHR-V-3B	R 560 S.4/M.2	M521	J4	AB			4320	1 3			
41A 2	RHR-V-4A+ C,E	RHR-MQ-4A	L120	379507M	221011	1 4	0 0			35		Y
	2.66HP MOTOR OPERATOR RHR-V-4A	R 460 K.0/8.1	M521	E11	AB			4320	1 0			
41A 2	RHR-V-4B+ C,E	RHR-MQ-4B	L200	SMB-0-40/T56	221016	1 4	0 0			35		N
	2.66HP MOTOR OPERATOR RHR-V-4B	R 450 L.2/8.3	M521	06	AB			4320	1 0			
41A 2	RHR-V-4C+ C,E	RHR-MQ-4C	L200	SMB-0-40/T56	221011	1 4	0 0			35		Y
	2.66HP MOTOR OPERATOR RHR-V-4C	R 450 J.7/4.3	M521	D11	AB			4320	1 0			
41B 2	RHR-V-40+ B2	RHR-MQ-40	L200	SMB-000-2/D56AA	221011	1 4	0 0			35		N
	0.3HP 1.9A MOTOR OPER. RHR-V-40	R 553 S.4/M.6	M521	G4	AA			4320	2 0			

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41A	RHR-V-42A+	RHR-MO-42A	L200	SMB-3-150/256UR3	221006	1 4	0 0			35		Y
2	B1,C,E	19.5HP/25.2A MTR OP FOR RHR-V-42A	R 528 J.0/6.0	R405 AB				4320	1 0			
41A	RHR-V-42B+	RHR-MO-42B	L200	SMB-3-150/256UR3	221006	1 4	0 0			35	P	Y
2	B1,C,E	19.5HP 25.2A MOTOR OPER. RHR-V-42B	R 528 N.0/5.0	R405 AB				4320	1 0			
41A	RHR-V-42C+	RHR-MO-42C	L200	SMB-3-150/256UR3	221006	1 4	0 0			35		Y
2	B1,C,E	19.5HP 25.2A MOTOR OPER. RHR-V-42C	R 528 J.0/6.0	R405 AB				4320	1 0			
41A	RHR-V-47A+	RHR-MO-47A	L200	SMB-1-40/TS56	221007	1 4	0 0			33		N
2	C,E	2.6HP/11.5-5.75A MO FOR RHR-V-47A	R 582 M.3/8.4	R605 AB				4320	1 3			
41A	RHR-V-47B+	RHR-MO-47B	L200	SMB-1-40/TS56	221007	1 4	0 0			33		N
2	C,E	2.6HP/11.5-5.75A MO FOR RHR-V-47B	R 526 N.1/9.4	R605 AB				4320	1 3			
41B	RHR-V-48A+	RHR-MO-48A	L200	SMB-3-80/215R3	221009	1 4	0 0			35		N
2	C,E	5.3HP 8.4A MOTOR OPER. RHR-V-48A	R 558 H.6/9.2	R605 AB				4320	1 3			
41B	RHR-V-48B+	RHR-MO-48B	L200	SMB-3-80/215R3	221009	1 4	0 0			35		N
2	C,E	5.3HP 8.4A MOTOR OPER. RHR-V-48B	R 558 B.4/N.0	R605 AB				4320	1 3			
41A	RHR-V-49+	RHR-MO-49	L200	SMB-000-6/K4B	221011	1 4	0 0			35		N
2	B2	0.333HP MOTOR OPERATOR RHR-V-49	R 553 B.4/N.7	R505 AB				4320	2 0			
42A	RHR-V-52A+	RHR-MO-52A	L200	SMB-00-10/L56	221011	1 4	0 0			35		N
2	C,E	5.2HP MOTOR OPERATOR RHR-V-52A	R 578 H.6/9.2	R605 AB				4320	1 1			
42A	RHR-V-52B+	RHR-MO-52B	L200	SMB-00-10/L56	221011	1 4	0 0			35		N
2	C,E	5.2HP MOTOR OPERATOR RHR-V-52B	R 578 N.1/8.6	R605 AB				4320	1 1			
41B	RHR-V-53A+	RHR-MO-53A	L200	SMB-2-60/215RZ	221009	1 4	0 0			35		Y
2	C,E,B1	8.2HP MOTOR OPERATOR RHR-V-53A	R 515 K.9/4.1	R312 AB				4320	1 3			
41B	RHR-V-53B+	RHR-MO-53B	L200	SMB-2-60/215RZ	221009	1 4	0 0			35		Y
2	C,E,B1	7.9HP 10A MOTOR OPER. RHR-V-53B	R 515 L.2/8.0	R316 AB				4320	1 3			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO. PLANT LOCATION	ROOM	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING									USE		
41A 2 C,E	RHR-V-6A+ 2.66HP MOTOR OPERATOR RHR-V-6A	RHR-MO-6A	L200	SMB-0-25/R56 R 430 K 8/8.5	RE	AB	221011	1 4	0.0		35		N
41A 2 C,E	RHR-V-6B+ 2.66HP MOTOR OPERATOR RHR-V-6B	RHR-MO-6B	8802	SMB-0-25/R56 R 430 L 8/8.5	R7	AB	221011	1 4	0.0		35		N
215 2 B1,D,C,E	RHR-V-64A+ 2.66HP MOTOR OPERATOR RHR-FCV-64A	RHR-MO-64A	L120	SMB-000-5/48 R 446 K 0/9.13	R112	BA	221011	1 4	0.0		35		N
215 2 B1,D,C,E	RHR-V-64B+ MOTOR OPERATOR RHR-FCV-64B	RHR-MO-64B	L200	SMB-000-5/48 R 445 M 9/9.0	R113	BA	221016				4320		
215 2 B1,D,C,E	RHR-V-64C+ MOTOR OPERATOR RHR-FCV-64C	RHR-MO-64C	L200	SMB-000-5/48 R 446 J 0/5.0	R113	BA	221011	1 4	0.0		35		N
41A 2 C,E,F	RHR-V-68A+ 2.6HP 5.75A MOTOR OPER. RHR-V-68A	RHR-MO-68A	L200	SMB-0-40/T86 R 558 9.3/11.1	R607	AB	221011	1 4	0.0		35		N
41A 2 C,E,F	RHR-V-68B+ 2.6HP 5.75A MOTOR OPER. RHR-V-68B	RHR-MO-68B	L200	SMB-0-40/T86 R 559 9.3/M 6.8	R605	AB	221011	1 4	0.0		35		N
215 2 C,E	RHR-V-73A+ 2.0HP MOTOR OPERATOR RHR-V-73A	RHR-MO-73A	L200	R 572 J8/9	R608	XA	221016				4320		
215 2 C,E	RHR-V-73B+ 2.0HP MOTOR OPERATOR RHR-V-73B	RHR-MO-73B	L200	R 572		XA	221016				4320		
215 2 C,E	RHR-V-74A+ 2.0HP MOTOR OPERATOR RHR-V-74A	RHR-MO-74A	L200	R 572		XA	221016				4320		
215 2 C,E	RHR-V-74B+ 2.6HP MOTOR OPERATOR RHR-V-74B	RHR-MO-74B	L200	R 572	R605	XA	221016				4320		
41A 2 B1,C,E	RHR-V-8+ 5.8HP MOTOR OPERATOR RHR-V-8	RHR-MO-8	L200	SMB-2-80/DS224B R 512 M 9/7.3	R315	AA	221009	1 4	0.0		35		N

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY/FUNCTION EQUIPMENT DESCRIPTION	HF04 PLANT LOCATION	HF05 ROOM	HF06 AS	HF07 SAGTH	TEST DRE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
											USE	
42A		RHR-V-87A+	RHR-MO-87A	L200	SHB-MO-10/L56							
2	C+E	3.89HP MOTOR OPERATOR RHR-V-87A	R 578 J/9/83	M521	K15				4320	1	1	
42A		RHR-V-87B+	RHR-MO-87B	L200	SHB-MO-10/L56							
2	C+E	MOTOR OPERATOR RHR-V-87B	R 578 M.8/8/86	M521	K4				4320	1	1	
41A		RHR-V-94	RHR-MO-9	L200	SHB-2-60/215R2							
2	B1,C+E	10.6HP MOTOR OPERATOR RHR-V-9	C 505 150.0 A2 R25	M521	F10				4320	1	3	
02G11		RHR-V-116+	RHR-MO-93	L200	SHB-0-40/T56							
2	B2,C,F	MOTOR OPERATOR FOR RHR-V-116	R 552 B.6/6/80	M521	J6				4320	1	0	
02G11		RHR-V-115+	RHR-MO-94	L200	SHB-0-40/T56							
2	B2,C,F	MOTOR OPERATOR FOR RHR-V-115	R 552 9.0/6/80	M521	J6				4320	1	0	
215		RHR-V-123A+	RHR-MO-99A	L200	SHB-000-3/P48							
2	B1,C+E	MOTOR OPERATOR FOR RHR-V-123A	C 514 95.0 A2 R28	M521	G18				4320	2	3	
215		RHR-V-123B+	RHR-MO-99B	L200	SHB-000-3/P48							
2	B1,C+E	MOTOR OPERATOR FOR RHR-V-123B	C 510 270.0 A2 R27	M521	G5				4320	2	3	
02		E-IR-P021+	RHR-PIS-22A	R290								
3	6	PRESSURE INDICATING SWITCH	R 503 J.0/9/84	M521	B15				4320	2	1	
02		RHR-PIS-22B	S382	CAT 5N-AA3-X10511								
3	6	PRESSURE INDICATING SWITCH	R 503 J.0/9/84	M521	B3				4320	2	1	
02		E-IR-P021+	RHR-PIS-22C	R290								
3	6	PRESSURE INDICATING SWITCH	R 501 H.8/9/83	M521	B7				4320	2	0	
02E12		RHR-PS-16A	S382	5N3-X10511								
2	C+E	PRESSURE SWITCH	R 501 J.6/7/86	M521	B13				24	1	0	
02E12		E-IR-P021+	RHR-PS-16B	S382	5N-AA3X10511							
2	C+E	PRESSURE SWITCH	R 501 H.8/9/83	M521	B5				24	1	0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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DATE 01/12/82 PAGE 207

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFO PLANT LOCATION	WFO MODEL NO. ROOM	QID AGING	TEST DBE	AHL C	F/O HOURS	C USE	FREQ ACCURACY	TM HL
02E12 2 C/E	E-IR-P021+	RHR-PS-16C	S382	SN-AA3X103TT	256016	1 4	0.0		33+	N	
	RHR PRESSURE	R 502 H.0/9.3	M521	B7				24	1.0		
02 2 C/E		RHR-PS-18	6080	2Q9A5127P004				4320	2.0		
	PRESS SWITCH SHUTDOWN COOLING	R 501 H.0/7.9	M521	F12							
02 2 C/E	E-IR-H22/P018+	RHR-PS-19A	S382	SN-AA3X103TT	256016			24	1.0		
	ADS PERMISSIVE PMP A H22-P018	R 504 J.7/3.7	M521	B13							
02 2 C/E	E-IR-H22/P021+	RHR-PS-19B	S382	SN-AA3X103TT	256016			24	1.0	F	
	ADS PERMISSIVE PMP B H22-P021	R 501 L/13	M521	B4							
02 2 C/E	E-IR-H22/P021+	RHR-PS-19C	S382	SN-AA3X103TT	256016			24	1.0	F	
	LPCI PERMISSIVE PUMP C 10-240 PSIG	R 501 L/13	M521	BB							
02 2 C/E	E-IR-P018+	RHR-PT-26A	R290	613B	259001			4320	2.1		
	PRESSURE TRANSMITTER RCIC LOOPA	R 597 J.0/9.4	M521	K14							
02 2 C/E	E-IR-P021+	RHR-PT-26B	R290	613B	259001			4320	2.1		
	PRESSURE TRANSMITTER RCIC LOOPB	R 597 H.0/8.3	M521	K1							
02 2 C/E	E-IR-P021+	RHR-PT-28	R290	613B	259005			4320	2.1		
	PRESSURE TRANSMITTER RCIC LOOPA	R 503 J.0/9.4	M521	F13							
215 2 B2/F		RHR-SV-182	M090	282033				4320	2.0		
		R 548 L.0/9.0	M521	J6							
215 2 B2		RHR-SV-60A	M090	282033				4320	2.0		
		R 548 H.0/8.3	M521	J12							
215 2 B2		RHR-SV-60B	M090	282033				4320	2.0		
		R 548 K.0/8.3	M521	J5							
02 2 I		RHR-TE-27A	G082	ITEM#4	335011		0.1	4320	99+	N	
	TEMPERATURE ELEMENT (PRIMARY)	R 565 K/8	M521	H13					1.3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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DATE 01/12/82 PAGE 20A

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. ROOM	QID AGING	TEST OFF	AHL C	F70 HOURS	C FREQUENCY	TH	HL
02 2 I	RHR-TE-278	9082	ITEM #4	339011	0.1	4320	99+	N			
	TEMPERATURE ELEMENT (PRIMARY)	R 548	M521	HS	TD			1 3			
02 2 G	RHR-TE-4A	6080		339011	0.1	4320	99+	N			
	TEMPERATURE ELEMENT (PRIMARY)	R 572	M521 J13	TB				2 1			
02 2 G	RHR-TE-4B	6080		339011	0.1	4320	99+	N			
	TEMPERATURE ELEMENT (PRIMARY)	R 572	M521 J4	TB				2 1			
02E12 2 G	RHR-TE-5A	6080		339011	0.1	4320	99+	N			
	TEMPERATURE ELEMENT	R 560 L.0/8.3	M524 H11	TB				2 3			
02E12 2 G	RHR-TE-5B	6080		339011	0.1	4320	99+	N			
	TEMPERATURE ELEMENT	R 560 L.0/8.3	M524 H12	TB				2 3			
2 J	ROA-AD-10	ROA-LMS-10	N007	70050100	200014			4320	1 0		
		R 542 M.5/3.9	M545 E14								
2 J	ROA-SPV-11	ROA-LMS-11	N007	70050100	200014			4320	1 0		
		R 542 M.7/8.1	M545 E8								
216 2 J	ROA-AD-12	ROA-LMS-12	N007	70050100	200014			4320	1 0		
	LIMIT SWITCH ON ROA-AD-12	R 480 J.0/8.3	M545 C7								
216 2 J	ROA-AD-13	ROA-LMS-13	N007	70050100	200014			4320	1 0		
		R 591 M.5/6.0	M545 G14								
216 2 J	ROA-AD-14	ROA-LMS-14	N007	70050100	200014			4320	1 0		
		R 591 M.9/7.4	M545 G13								
216 2 J	ROA-AD-15	ROA-LMS-15	N007	70050100	200014			4320	1 0		
	LIMIT SWITCH ON ROA-AD-15	R 563 M.8/4.8	M545 G12								
216 2 J	ROA-AD-17	ROA-LMS-17	N007	70050100	200014			4320	1 0		
	LIMIT SWITCH ON ROA-AD-17	R 563 M.8/4.2	M545 G14								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID AS	TEST ONE	ANL C	F/D HOURS	C C	FREQ ACCURACY	TH HL
EC										USE	
2 J	ROA-AD-19+	ROA-LMS-19	N007	70050100	200014			4320		1 0	
			R 548 L10/440	M545	FB						
3 B,D		ROA-RLY-CR1A	R 548 M.8/8.0	E519/12 D7				4320		1 0	
3 B,D		ROA-RLY-CR200	R 522 M10/8.3	E519/12				4320		1 0	F
216	ROA-AD-10+	ROA-SPV-10	A610	HBR8320A-1	315002						
2 B2,D			R 522 M.6/4	M545	E15			4320		1 0	
	DIV II MCC ROOM DAMPER SOL PILOT										
216	ROA-V-1+	ROA-SPV-100	A610	WJHT8316E35F	315004	2 1	0.0	4320		33	N
2 B2,D			R 548 M.8/5.7	M545	F3						
	ROA-V-1 SOL PILOT VA - -										
216	ROA-AD-11+	ROA-SPV-11	A610	HBR8320A-1	315002						
2 B2,D			R 522 M.4/8.3	M545	D7			4320		1 0	
	DIV I MCC ROOM DAMPER SOL PILOT										
216	ROA-AD-12+	ROA-SPV-12	A610	HBR8320A-1	315002						
2 B2,D			R 471 M.4/8	M545	C7			4320		1 0	
	DC MCC ROOM DAMPER SOL PILOT										
216	ROA-AD-13+	ROA-SPV-13	A610	HBR8320A-1	315002						
2 B2,D			R 575 M.4/5.7	M545	G15			4320		1 0	
	H2 RECOMB MCC RM (DIV I) DAMPER SO										
216	ROA-AD-14+	ROA-SPV-14	A610	HBR8320A-1	315002						
2 B2,D			R 572 M.8/7.8	M545	G14			4320		1 0	
	H2 RECOMB MCC RM (DIV II) DAMPER S										
216	ROA-AD-15+	ROA-SPV-15	A610	HBR8320A-1	315002						
2 B2,D			R 548 M.4/4.3	M545	G13			4320		1 0	
	SOLENOID PILOT VALVE										
216	ROA-AD-17+	ROA-SPV-17	A610	HBR8320A-1	315002						
2 B2,D			R 548 M.4/4.4	M545	G14			4320		1 0	
	ANALYZER RM 1B DAMPER SOL PILOT LO										
216	ROA-V-2+	ROA-SPV-200	A499	WJHT8316E35F	315004	2 1	0.0	4320		33	N
2 B2,D			R 528 M/8.2	M545	F3						
	ROA-V-2 SOL PILOT VA - -										

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID Q5	TEST AGING	ANL ORE	F70 C	FREQ HOURS	TH ACCURACY	HL
EC				DRAWING					USE		
02C72 2 A	E-IR-P004+	RPS-PS-2A	S382	RM-AA4-X10TT	256016	1 4	0.0		33+	N	
		HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 4.5/7.1	R404 AB				.017	1 0		
02C72 2 A	E-IR-P027+	RPS-PS-2B	S382	12M-AA4-X10TT	256016	1 4	0.0		33+	F N	
		HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 M.8/6.6	R404 AB				.017	1 0		
02C72 2 A	E-IR-P003+	RPS-PS-2C	S382	12M-AA5-X10TT	256016						
		HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 NA/5.8	R404 AB				.017	1 0		
02C72 2 A	E-IR-P026+	RPS-PS-2D	S382	12M-AA5-X10S1TT	256016	1 4	0.0		33+	N	
		HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 H.4/4.2	R404 AB				.017	1 0		
02C72 2 A		RPS-PS-4	B080	288A	256007						
		PRIM. CONT HIGH PRESS	R 522 J5/7.2	R404 XB				.017	1 0		
67 2 CIE	RRA-FC-14	RRA-M-1	W120	8BFC	213012						
		3HP/4.7A MOTOR FOR RRA-FN-1	R 445 H.7/4.3	R118 AB				.4320	1 3		
67 2 J	RRA-FC-10+	RRA-M-10	W120	8BFC/182T	213023						
		3HP/4.65A MOTOR FOR RRA-FN-10	R 522 H3/3.8	R410 AB				.4320	1 0		
67 2 J	RRA-FC-11+	RRA-M-11	W120	8BFC/182T	213023						
		3HP/4.65A MOTOR FOR RRA-FN-11	R 522 H5/8	R411 AB				.4320	1 0		
216 2 J	RRA-FN-12+	RRA-M-12	W120	T8AN	213018						
		5HP/5.5A MOTOR FOR RRA-FN-12	R 490 H.6/7.8	R212 RM				.4320	1 0		
216 2 J	RRA-FC-13+	RRA-M-13	W120	T8AN	213015						
		3HP/7A MOTOR FOR RRA-FN-13	R 585 M.3/6.1	R611 RD				.4320	1 0		
216 2 J	RRA-FC-14+	RRA-M-14	W120	7905-01-003	213015						
		3HP/5.5A MOTOR FOR RRA-FN-14	R 585 M.7/8.0	R612 RD				.4320	1 0		
216 2 J	RRA-FC-15+	RRA-M-15	W120	T8AN	213015						
		3HP/5.4A MOTOR FOR RRA-FN-15	R 548 H5/4.5	R516 XD				.4320	1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
EC				DRAWING							USE
216 2 J	RRA-FC-17+	RRA-M-17	W120	TRAN	213015						
	3HP/5.7A MOTOR FOR RRA-FN-17	R 548 M5/47	M512	KB				4320		1 0	
215 2 J	RRA-FC-19+	RRA-M-19	R 548 L10/84	PP				4320		1 3	
67 2 J	RRA-FC-2+	RRA-M-2	W120	8BFC	213012						
	3HP/4.65A MOTOR FOR RRA-FN-2	R 445 L10/83	M545	88				4320		1 3	
215 2 J	RRA-FC-20+	RRA-M-20	R 548 L8/84	PP				4320		1 3	
67 2 J	RRA-FC-3+	RRA-M-3	W120	7BFC	213012						
	3HP/4.65A MOTOR FOR RRA-FN-3	R 445 M7/83	M545	B9	R115	AB		4320		1 0	
67 2 J	RRA-FC-4+	RRA-M-4	W120	7BFC	213025						
	10HP/14A MOTOR FOR RRA-FN-4	R 445 M5/77	M545	B13	R106	AB		24		1 0	
67 2 J	RRA-FC-5+	RRA-M-5	W120	5BFC	213013						
	5HP/6.8A MOTOR FOR RRA-FN-5	R 445 K7/73	M545	B13	R114	AB		24		1 0	
67 2 J	RRA-FC-6+	RRA-M-6	W120	7BFC	213021						
	2HP/3A MOTOR FOR RRA-FN-6	R 445 H7/77	M545	B7	R112	AB		24		1 2	
218 3 J	RRA-FN-1+	RRA-RMS-S1	G080	CR2940				4320			
	LOCAL CONTROL SWITCH-RRA-FN-1	R	M545	A9						2 3	
218 3 J	RRA-FN-2+	RRA-RMS-S2	G080	CR2940				4320			
	CONTROL SWITCH-RRA-FN-2	R	M545	A8						2 0	
218 3 J	RRA-FN-3+	RRA-RMS-S3	G080	CR2940				4320			
	CONTROL SWITCH-RRA-FN-3	R	M545	A7						2 3	
218 3 J	RRA-FN-4+	RRA-RMS-S4	G080	CR2940				24			
	CONTROL SWITCH-RRA-FN-4	R	M545	A14						2 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 15 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGEING	TEST DRC	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
218	3 J	RRA-FN-5+ LOCAL CONTROL SWITCH, LPCS P RM 5	RRA-RMS-S5 6080	CR2940 M545 A13				24	2 3	
218	3 J	RRA-FN-6+ LOCAL CONTROL SWITCH, HPCS P RM 6	RRA-RMS-S6 6080	CR2940 M545 A12				4320	2 2	
215	2 B1	RRC-V-16A+ 2HP MOTOR OPERATOR FOR RRC-V-16A	RRC-MO-16A L200	221016 M530 C14				1017	2 0	
215	2 B1	RRC-V-16B+ 2 HP MOTOR OPERATOR FOR RRC-V-16B	RRC-MO-16B L200	221016 M530 B14				1017	2 0	
02	2 G	RRC-V-23A+ MOTOR OPERATOR RRC-V-23A	RRC-MO-23A L200	SMB-2-25 C 510-160 D AZ R15	221012 M530 D12	1 4	0.0	1017	33+	Y
02	2 G	RRC-V-23B+ 6.4 HP MOTOR OPER FOR RRC-V-23B	RRC-MO-23B L200	SMB-2-25 C 510-340 D AZ R17	221012 M530 D6	1 4	0.0	1017	33+	Y
02	2 G	RRC-V-67A+ 15.8HP MOTOR OPER FOR RRC-V-67A	RRC-MO-67A L200	SMB-3-60 C 514-102 D AZ R20	221012 M530 E10	1 4	0.0	1017	33+	Y
02	2 G	RRC-V-67B+ 15.8 HP MOTOR OPER FOR RRC-V-67B	RRC-MO-67B L200	SMB-3-60 C 514-275 D AZ R20	221012 M530 E7	1 4	0.0	1017	33+	Y
215	2 B1, I	RRC-SV-19+ 1.0" SOLENOID SAMPLING VALVE	RRC-POS-19 B350	282033-9304 C 506-319 D AZ R35	M530 F11			1017	2 0	
215	2 B1, I	RRC-SV-20+ 1.0" SOLENOID SAMPLING VALVE	RRC-POS-20 B350	282033-9304 C 522 J/6.7	M530 F13			1017	2 0	
215	2 B1, I	RRC-SV-19 1.0" SOLENOID SAMPLING VALVE	RRC-POS-19 B350	P 81560 C 506-319 D AZ R35	324003 M530 F11				2 0	
215	2 B1, I	RRC-SV-20 1.0" SOLENOID SAMPLING VALVE	RRC-POS-20 B350	P 81560 C 522 J/6.7	324003 M530 F12				2 0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL
02E31 3 6		RCU-FT-36 FLOW ELEMENT 35 PRESSURE BOUNDARY	6082 R 926 H.8/5.0	1118MAA4MBP H523 F15	186003	1 4	0 0	4320	33+		N
02 3 6		E-IR-P009+ EXTENTION OF SYSTEM PRESS BOUNDARY	R 471 J7/8.0	H523 Q12				4320	2 0		
3 6		RCU-FT-41 FLOW TRANSMITTER	6080 R	0551118MAA4MBP H523 H11				4320	2 0		
41A 2 B1		RCU-V-1+ 1.6HP 4.0A MOTOR OPER. RCU-V-1	RCU-MO-1 L200 C 540 150 DEG	SMB-0-25/A56 H523 F18	221011	1 4	0 0	35			Y
41A 2 B1		RCU-V-4+ 1.8HP 7.5A MOTOR OPER. RCU-V-4	RCU-MO-4 L200 R 537 H.7/5.0	SMB-0-25/DK56H H523 F15	221011	1 4	0 0	35			P
41A 2 B1		RCU-V-40+ 1.6HP MOTOR OPER. RCU-V-40	RCU-MO-40 L200 R 514 H.6/5.1	SMB-0-25/A56 H523 H11	221011	1 4	0 0	35			N
1 I		S-SR-13+ H2/D2 SAMPLE RACK COMPOSITE	R 548 H6/4.5	H543 E6				1 0			
1 I		S-SR-14+ H2/D2 SAMPLE RACK COMPOSITE	R 548 H6/4.6	H543 H14				1 0			
1 F.I		S-SR-42+ H2/D2 SAMPLE RACK COMPOSITE	R 522 K.5/9.5	H524 G11				1 3			
1 F.I		S-SR-43+ H2/D2 SAMPLE RACK COMPOSITE	R 522 N.1/9.5	H524 G10				1 3			
18 2 D.F		SGT-FU-1A+ 22.5 KW ELECTRIC HEATING COIL	SGT-EHC-1A1 C332 R 576 H.7/5.6	2747499 H544 H13	R608 BA	109008		4320	1 0		F
18 2 D.F		SGT-FU-1A+ ELECTRIC HEATING COIL	SGT-EHC-1A2 C332 R 576 H.7/5.6	2747499 H544 H13	R608 BA	109008		4320	1 0		F

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. RQDN	QID ACTING	TEST DRE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
											USE
18		SGT-FU-1B+	SGT-EHC-1B1	C332	2747499	189008					F
2	D,F	22.5 KW ELECTRIC HEATING COIL	R 576 H.7/5.6	M544 D13	R607	BA		4320	1 0		
18		SGT-FU-1B+	SGT-EHC-1B2	C332	2747499	189008					F
2	D,F	ELECTRIC HEATING COIL	R 576 J.3/5.6	M544 D13	R607	BA		4320	1 0		
28		SGT-FN-1A1+	SGT-EHC-1A1	I207	NH91G2073E1F-2N2001	110004	2 1	0.0	33	F	N
2	D,F	SGT-FN-1A1 INLET VANES OPER	R 575 H.3/7.8	M544 F8	R608	BM		4320	1 0		
28		SGT-FN-1A2+	SGT-EHC-1A2	I207	NH91G2073E1F-2N20	110004	2 1	0.0	33	F	N
2	D,F	SGT-FN-1A2 INLET VANES OPER	R 575 H.6/7.8	M544 G6	R608	BM		4320	1 0		
28		SGT-FN-1B1+	SGT-EHC-1B1	I207	NH91G2073E1F-2N20	110004	2 1	0.0	33	F	N
2	D,F	SGT-FN-1B1 INLET VANES OPER	R 575 J.2/7.8	M544 G6	R607	BM		4320	1 0		
28		SGT-FN-1B2+	SGT-EHC-1B2	I207	NH91G2073E1F-2N20	110004	2 1	0.0	33	F	N
2	D,F	SGT-FN-1B2 INLET VANES OPER	R 575 J.3/7.8	M544 E6	R607	BM		4320	1 0		
220		SGT-FU-1A+	SGT-FS-2A2								F
3	D,F	SGT-FN-1A-1 DISCH LOC-AL-	R 572 H.9/7.8	M544 J6		PD		4320	1 0		
220		SGT-FU-1B+	SGT-FS-2B1								F
3	D,F	SGT-FN-1B-2 DISCH LOC-AL-	R 572 J.2/8.0	M544 E6		PD		4320	1 0		
59		SGT-FN-1A1+	SGT-FT-1A1	R369	1151DP3022MBGE01	156005					
3	I	FLOW AFTER SGT-FN-1A-1 LOC-AL-	R 585 H.8/7.1	M544 J6	R608	XM		4320	1 0		
59		SGT-FN-1A2+	SGT-FT-1A2	R369	1151DP3022MBGE01	156005					
3	I	FLOW AFTER SGT-FN-1A-2 LOC-AL-	R 585 H.8/7.1	M544 G6	R608	XM		4320	1 0		
59		SGT-FN-1B1+	SGT-FT-1B1	R369	1151DP3022MBGE01	156005					
3	I	FLOW AFTER SGT-FN-1B-1 LOC-AL-	R 585 H.8/7.1	M544 G6	R608	XM		4320	1 0		
59		SGT-FN-1B2+	SGT-FT-1B2	R369	1151DP3022MBGE01	156005					
3	I	FLOW AFTER SGT-FN-1B-2 LOC-AL-	R 585 H.8/7.1	M544 E6	R608	XM		4320	1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFB PLANT LOCATION	HFB MODEL NO. DRAWING	Q10 AGT	TEST OFF	ANL C	P70 HOURS	C ACCURACY	FREQ TH	HL
68	SGT-V-2A+	SGT-LMS-2A	N007	74000100				4320	1.0		
3	I	R 580 J.3/5.5		68-00-0007							
68	SGT-V-2B+	SGT-LMS-2B	N007	74000100				4320	1.0		
3	I	R 580 J.4/5.2		68-00-0007							
28	SGT-FN-1A1+	SGT-M-1A1	M120	TBDP				4320	1.0	F	
2	D,F	R 576 H.7/7.6		R608	BA						
		25HP/61-30.5A MOTOR FOR SGT-FN-1A1		M544	F8						
28	SGT-FN-1A2+	SGT-M-1A2	M120	TBDP				4320	1.0	F	
2	D,F	R 576 H.9/7.6		R608	BA						
		25HP/61-30.5A MOTOR FOR SGT-FN-1A2		M544	G6						
28	SGT-FN-1B1+	SGT-M-1B1	M120	TBDP				4320	1.0	F	
2	D,F	R 576 J.2/7.6		R607	BA						
		25HP/61-30.5A MOTOR FOR SGT-FN-1B1		M544	C6						
28	SGT-FN-1B2+	SGT-M-1B2	M120	TBDP				4320	1.0	F	
2	D,F	R 576 J.7/7.7		R607	BA						
		25HP/61-30.5A MOTOR FOR SGT-FN-1B2		M544	E6						
18	SGT-FU-1A+	SGT-MC-6A	C332	SWAGLOCK				4320	1.0	F	
3	D,F	R 582 H.7/5.5		R608	NH						
		SGT-EHC-1A-2 CONTROL SYSTEM		M544	H13						
18	SGT-FU-1B+	SGT-MC-6B	H349	XMA/C103 HYGROMETRIX				4320	1.0	F	
3	D,F	R 572 J.4/5.5		R607	NH						
		SGT-EHC-1B-1 CONTROL SYSTEM		M544	C13						
18	SGT-FU-1A+	SGT-MC-7A	C332	SWAGLOCK				4320	1.0	F	
3	D,F	R 582 H.7/5.5		R608	NH						
		SGT-EHC-1A-1 CONTROL SYSTEM		M544	J13						
18	SGT-FU-1B+	SGT-MC-7B	C332	SWAGLOCK				4320	1.0	F	
3	D,F	R 582 J.3/5.5		R607	NH						
		SGT-EHC-1B-2 CONTROL SYSTEM		M544	E13						
18	SGT-FU-1A+	SGT-ME-6A	H349	SWAGLOCK				4320	1.0	F	
2	D,F	R 582 H.7/5.5		R608	BH						
		SGT-FU-1A MOIST. AFTER SGT-MS-1A L		M544	J13						
18	SGT-FU-1B+	SGT-ME-6B	H349	XMS-7AP				4320	1.0	F	
2	D,F	R 582 J.3/5.5		R607	BH						
		SGT-FU-1B MOIST. AFTER SGT-MS-1B L		M544	E13						

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CONTRACT LVN	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY QTY	TEST AGE	ANL C	F70 HOURS	C C	FREQ ACCURACY	TH TH	HL HL
EC				DRAWING						USE		
18 2	D,F	SGT-FU-1A+ SGT-FU-1A MOIST. AFTER SGT-MS-1A L	H349 R 582 H.7/5.5	XMS-7AP M544 C13	217001 R608 BN			4320		1 0		F
18 2	D,F	SGT-FU-1B+ SGT-FU-1B MOIST. AFTER SGT-MS-1B L	H349 R 582 J.3/5.5	XMS-7AP M544 H12	217001 R607 BN			4320		1 0		F
68 2	D,F	SGT-V-1A+ 1.3HP/4.8-2.4A MOTOR OPER SGT-V-1A	L200 R 582 J.3/5.5	SHB-00-10/P56 M544 H14	221007 R608 AB	1	0.0	4320		1 0		F N
68 2	D,F	SGT-V-1B+ 1.3HP/4.8-2.4A MOTOR OPER SGT-V-1B	L200 R 584 J.4/5.2	SHB-00-10/P56 M544 E14	221007 R607 AB	1	0.0	4320		1 0		F N
68 2	D,F	SGT-V-3A1+ 1.3HP 2.4A MOTOR OPER SGT-V-3A1	L200 R 578 H.4/7.6	SHB-00-10/P56 M544 G7	221007 R608 AB	1 4		4320		1 0		F N
68 2	D,F	SGT-V-3A2+ 1.33HP 2.4A MOTOR OPER SGT-V-3A2	L200 R 578 H.6/7.6	SHB-00-10/P56 M544 G7	221007 R608 AB	1 4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-3B1+ 1.33HP 2.4A MOTOR OPER SGT-V-3B1	L200 R 578 J.4/7.6	SHB-00-10/P56 M544 E7	221007 R607 AB	1 4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-3B2+ 1.33HP 2.4A MOTOR OPER SGT-V-3B2	L200 R 578 J.6/7.6	SHB-00-10/P56 M544 C7	221007 R607 AB	1 4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-4A1+ 1.3HP 2.4A MOTOR OPER SGT-V-4A1	L200 R 578 H.4/7.6	SHB-00-10/P56 M544 H5	221007 R608 AB	1 4	0.0	4320		33		F N
68 2	D,F	SGT-V-4A2+ 1.3HP 2.4A MOTOR OPER SGT-V-4A2	L200 R 588 J.1/7.0	SHB-00-10/P56 M544 U5	221007 R608 AB	1 4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-4B1+ 1.33HP 2.4A MOTOR OPER SGT-V-4B1	L200 R 587 H.8/7.0	SHB-00-10/P56 M544 C5	221007 R608 AB	1 4	0.0	4320		33		N
68 2	D,F	SGT-V-4B2+ 1.33HP 2.4A MOTOR OPER SGT-V-4B2	L200 R 587 J.8/7.0	SHB-00-10/P56 M544 E5	221007 R607 AB	1 4	0.0	4320		33		N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFO	HFO MODEL NO.	HFO	TEST	AHL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	AS	ABTS	DBE	C	HOURS	ACCURACY		
										USE		
68 2 D,F	SGT-V-5A1+ 1.33HP 2.4A MOTOR OPER.	SGT-MO-5A1	L200 R 587 H.4/7.0	5HB-00-10/P56 M544 J5	221007	1 4	0 0		33		N	
68 2 D,F	SGT-V-5A2+ 1.33HP 2.4A MOTOR OPER.	SGT-MO-5A2	L200 R 587 H.9/7.0	5HB-00-10/P56 M544 J5	221007	1 4	0 0		33		N	
68 2 D,F	SGT-V-5B1+ 1.33HP 2.4A MOTOR OPER.	SGT-MO-5B1	L200 R 587 H.6/7.0	5HB-00-10/P56 M544 C5	221007	1 4	0 0		33		N	
68 2 D	SGT-V-5B2+ 1.33HP 2.4A MOTOR OPER.	SGT-MO-5B2	L200 R 578 H.6/3.6	5HB-00-10/P56 M544 E5	221007	1 4	0 0		33		N	
18 1 D,F	SGT-PP-EHC/1A1+ HEATER CONTROL BOX	F030 R 572 M.0/6.0		E519-34A				4320	1 0			
18 1 D,F	SGT-PP-EHC/1A2+ HEATER CONTROL BOX	F030 R 572 M.0/6.0		E519-34A				4320	1 0			
18 1 D,F	SGT-PP-EHC/1B1+ HEATER CONTROL BOX	F030 R 572 M.0/6.0		E519-34A				4320	1 0			
18 1 D,F	SGT-PP-EHC/1B2+ HEATER CONTROL BOX	F030 R 572 M.0/6.0		E519-34A				4320	1 0			
18 2 D,F	SGT-EHC-1A1+ CONTROL OF HEATER SGT-FHC-1A1	SGT-PS-EH1A11 B135 R 572 H.4/5.9	A900-20COEAA-20	256008				4320	2 0			
18 2 D,F	SGT-EHC-1A2+ CONTROL OF HEATER SGT-EHC-1A2	SGT-PS-EH1A21 B135 R 572 H.8/6.0	A900-20COEAA-20	256008				4320	2 0			
18 2 D,F	SGT-EHC-1B1+ CONTROL OF HEATER SGT-PS-EH1B1	SGT-PS-EH1B11 B135 R 572 J.5/16.0	A900-20COEAA-20	256008				4320	2 0			
18 2 D,F	SGT-EHC-1B2+ CONTROL OF HEATER SGT-EHC-1B2	SGT-PS-EH1B21 B135 R 572 J.2/6.0	A900-20COEAA-20	256008				4320	2 0			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QTY	TEST DATE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL
EC									USE		
18 3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A15	A160	700N800A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686							
18 3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A16	A160	700N600A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686							
3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A17	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686							
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A21	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	E696							
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A22	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	E696							
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A23	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A23	R 572 M.0/8.2	E696							
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A24	A160	700N600A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092							
18 3 D,F		SGT-RLY-EH1A25	A160	700N800A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092							
18 3 D,F		SGT-RLY-EH1A26	A160	700N600A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092							
18 3 D,F		SGT-RLY-EH1A27	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-RLY-EH1A27	R 572 M.0/8.2	18-00-8092							
18 3 D,F	SGT-PP-EHC/1B1+	SGT-RLY-EH1B11	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							
18 3 D,F	SGT-PP-EHC/1B1+	SGT-RLY-EH1B12	A160	700N400A1				4320	1 0		
	CONTROL OF HEATER	SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	RF8 PLANT LOCATION DRAWING	RF8 MODEL NO. ROOM	QID AGING	TEST DBF	ANG O	F/O HOURS	C ACCURACY	FREQ TM	HL USE
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B13	A160 700H000A1	R 572 M.1/5.8	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B1	18-00-0092								
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B14	A160 700H000A1	R 572 M.1/5.8	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B1	18-00-0092								
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B15	A160 700H000A1	R 572 M.2/5.8	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B1	18-00-0092								
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B16	A160 700H000A1	R 572 M.1/5.8	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B1	18-00-0092								
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B17	A160 700H000A1	R 572 M.1/5.8	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B1	18-00-0092								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B21	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	E686								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B22	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	E686								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B23	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	E686								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B24	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	E686								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-1B25	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	18-00-0072								
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-1B26	A160 700H000A1	R 572 M.0/8.0	M			4320	1 0		
18	3 D,F	CONTROL OF HEATER SGT-EHC-1B2	18-00-0072								
18	2 F	SGT-DV-1A1+ SGT-SPV-F1	A499 821102H0	R 578 M.6/3.7	R602 RM	315007		4320	2 0		
		1/2 S.O DELUGE VA ASSY SGT-DV-1A-	M544 812								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MPG PLANT LOCATION	MPG MODEL NO. DRAWING	QID AGEING	TEST DUE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
18	SGT-DV-1A2+	SGT-SPV-F2	A499	821102MO	315007						
2	F	1/2 S.O. DELUGE VA ASSY SGT-DV-1A-	R 578 H.6/3.6	M544 B11	R602 BM			4320	2 0		W
18	SGT-DV-1B3+	SGT-SPV-F3	A499	821102MO	315007						
2	F	1/2 S.O. DELUGE VA ASSY SGT-DV-1A-	R 578 H.6/3.6	M544 B9	R602 BM			4320	2 0		W
18	SGT-DV-1B1+	SGT-SPV-F4	A499	821102MO	315007						
2	F	1/2 S.O. DELUGE VA ASSY SGT-DV-1B-	R 578 H.6/3.6	M544 B12	R602 BM			4320	2 0		W
18	SGT-DV-1B2+	SGT-SPV-F5	A499	821102MO	315007						
2	F	1/2 S.O. DELUGE VA ASSY SGT-DV-1B-	R 578 H.6/3.6	M544 B11	R602 BM			4320	2 0		W
18	SGT-DV-1B3+	SGT-SPV-F6	A499	821102MO	315007						
2	F	1/2 S.O. DELUGE VA ASSY SGT-DV-1B-	R 578 H.6/3.6	M544 B9	R602 BM			4320	2 0		W
220	SGT-V-2A+	SGT-SPV-2A	A499	821102MO	315006	2 4	0 0		35		N
2	D	SOL. PILOT VLV FOR SGT-V-2A	R 578 H.6/3.6	M539 J15	R608 BM			4320	1 0		
220	SGT-V-2B+	SGT-SPV-2B	A499	821102MO	315006	2 4	0 0		35		N
2	D	SOL. PILOT VLV FOR SGT-V-2B	R 578 H.6/3.6	M539 D15	R607 BM			4320	1 0		
18	SGT-FU-1A+	SGT-TE-6A1	F081	21110-0	339001						
2	F	SGT-FU-1A; SGT-CF-1A-1 TEMPERATURE	R 572 H.8/5.5	M544 H11	R608 BM			4320	2 0		
18	SGT-FU-1B+	SGT-TE-6B1	F081	21110-0	339001						
2	F	SGT-FU-1B; SGT-CF-1B-1 TEMPERATURE	R 572 J.4/5.5	M544 D11	R607 BM			4320	2 0		
18	SGT-FU-1A+	SGT-TE-7A1	F081	21110-0	339001						
2	F	SGT-FU-1A; SGT-CF-1A-2 TEMPERATURE	R 572 H.8/5.5	M544 H9	R608 BM			4320	2 0		
18	SGT-FU-1B+	SGT-TE-7B1	F081	21110-0	339001						
2	F	SGT-FU-1B; SGT-CF-1B-2 TEMPERATURE	R 572 J.4/5.5	M544 D9	R607 BM			4320	2 0		
18	SGT-FU-1A+	SGT-TE-8A1	F081	21110-0	339001						
2	F	SGT-FU-1A TEMP. AFTER SGT-FL-1A LO	R 572 H.8/5.5	M544 H12	R608 BM			4320	2 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 2 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG PLANT LOCATION	HFG MODEL NO. DRAWING	QID AGEING	TEST OBE	ANL C	F/O HOURS	C FREQ	TH ACCURACY	HL
18	EC	SGT-FU-1B+	SGT-TE-R01	F081	21110-0	339001					
2	F	SGT-FU-1B TEMP AFTER SGT-FL-1B LO	R 572 J4/5.5	R607	DM			4320	2 0		
18	F, D	SGT-FH-1A1+	SGT-TIS-1A1	R 572	M544	16	NH	4320	1 0		
18	F, D	SGT-FH-1A2+	SGT-TIS-1A2	R 572	M544	16	NH	4320	1 0		
18	F, D	SGT-FH-1B1+	SGT-TIS-1B1	R 572	M544	16	NH	4320	1 0		
18	F, D	SGT-FH-1B2+	SGT-TIS-1B2	R 572	M544	16	NH	4320	2 0		
18	D, F	SGT-EHC-1A1+	SGT-TS-EH1A10	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A11	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF STAGE 1 OF SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A111	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A112	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A113	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A114	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18	D, F	SGT-EHC-1A/+	SGT-TS-EH1A115	F081	18000-0	355003		4320		F	
2	D, F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VNP-2 CLASS 16 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	RFO PLANT LOCATION	RFO MODEL NO. DRAWING	QID ROOM	TEST AGE	ANL C	P/O HOURS	FREQ ACCURACY	TM HL
18	2	SGT-EHC-1A1+	SGT-TS-EH1A116	F081	18000-0	355003				F
		CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A117	F081	18000-0	355003				F
		CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A118	F081	18000-0	355003				F
		CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A12	F081	18000-0	355003				F
		CONTROL OF STAGE 1 OF SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A13	F081	18000-0	355003				F
		CONTROL OF STAGE 1 OF SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A14	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A15	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A16	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A17	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A18	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A1+	SGT-TS-EH1A19	F081	18000-0	355003				F
			R 572 H.4/5.9	E686				4320	2.0	
18	2	SGT-EHC-1A2+	SGT-TS-EH1A21	F081	18000-0	355003				F
			R 572 H.8/6.8	E686				4320	2.0	

WASHINGTON POWER SUPPLY SYSTEM
WHP-2 CLASS 1 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F70 HOURS	C ACCURACY	FREQ USE	TH HL
18	2	SGT-EHC-1A2+	SGT-TS-EH1A210	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-EHC-1A2+	SGT-TS-EH1A211	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-EHC-1A2+	SGT-TS-EH1A212	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-EHC-1A2+	SGT-TS-EH1A213	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A214	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A215	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A216	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A217	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
		CONTROL OF HEATER SGT-EHC-1A2		E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A218	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
		CONTROL OF HEATER SGT-EHC-1A2		E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A22	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
		CONTROL OF STAGE 1 OF SGT-EHC-1A2		E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A23	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
		CONTROL OF STAGE 1 OF SGT-EHC-1A2		E686							
18	2	SGT-FU-1A+	SGT-TS-EH1A24	F081 18000-0	355003			4320	2 0	F	
			R 572 H-8/6.0	E686							
		CONTROL OF STAGE 2 OF SGT-EHC-1A2		E686							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

VNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/D	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AGE	DRWG	DRWG	DRWG	HOURS	USE	ACCURACY		
18	SGT-FU-1A+	SGT-TS-EH1A25	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 2 OF SGT-EHC-1A2	R 572 H.8/6.0		E686				4320		2.0		
18	SGT-FU-1A+	SGT-TS-EH1A26	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 2 SGT-EHC-1A2	R 572 H.8/6.0		E686				4320		2.0		
18	SGT-FU-1A+	SGT-TS-EH1A27	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 3 OF SGT-EHC-1A2	R 572 H.8/6.0		E686				4320		2.0		
18	SGT-FU-1A+	SGT-TS-EH1A28	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 3 OF SGT-EHC-1A2	R 572		E686				4320		2.0		
18	SGT-FU-1A+	SGT-TS-EH1A29	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 3 OF SGT-EHC-1A2	R 572 H.8/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B10	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B11	F081	18000-0		355003						F
2 D,F	CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B11	F081	18000-0		355003						F
2 D,F	CONTROL OF HEATER SGT-EHC-1B1	R 572		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B12	F081	18000-0		355003						F
2 D,F	CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B13	F081	18000-0		355003						F
2 D,F	CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B14	F081	18000-0		355003						F
2 D,F	CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		
18	SGT-FU-1B+	SGT-TS-EH1B15	F081	18000-0		355003						F
2 D,F	CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0		E686				4320		2.0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS II EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGEING	TEST DHE	ANL C	F/D HOURS	C C	FREQ ACCURACY	TH HL
										USE	
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B116	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B117	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B118	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B12	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B13	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B14	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B15	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B16	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B17	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B18	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B19	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686							
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B21	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-1B2	R 572 J.2/6.0	E686							

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AS	TEST DNE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC				DRAWING					USE		
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18210	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18211	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18212	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18213	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18214	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18215	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18217	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18218	F081	18000-0	355003			4320	2 0		F
		CONTROL OF HEATER SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH18222	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1823	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 1 OF SGT-EHC-182	R 572	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1824	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 2 OF SGT-EHC-182	R 572 J.2/6.0	E686							
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1825	F081	18000-0	355003			4320	2 0		F
		CONTROL OF STAGE 2 OF SGT-EHC-182	R 572 J.2/6.0	E686							

WASHINGTON PUB. WEH. SUPPLY SYSTEM
WHP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID ARMED	TEST DUE	ARL C	F/O HOURS	FREQ ACCURACY	TH HL
18	SGT-FU-1B+	SGT-TS-EH1B26	F081	1A000-0	355003					F
2	D,F	CONTROL OF STAGE 2 OF SGT-EHC-1B2	R 572 J42/5.8	E686				4320	2.0	
18	SGT-FU-1B+	SGT-TS-EH1B27	F081	1A000-0	355003					F
2	D,F	CONTROL OF STAGE 3 OF SGT-EHC-1B2	R 572 J42/5.8	E686				4320	2.0	
18	SGT-FU-1B+	SGT-TS-EH1B28	F081	1A000-0	355003					F
2	D,F	CONTROL OF STAGE 3 OF SGT-EHC-1B2	R 572 J42/5.8	E686				4320	2.0	
18	SGT-FU-1B+	SGT-TS-EH1B29	F081	1A000-0	355003					F
2	D,F	CONTROL OF STAGE 3 OF SGT-EHC-1B2	R 572 J42/5.8	E686				4320	2.0	
18	SGT-FU-1A+	SGT-TS-6A1	K120	CSD-3(A)	355006					F
3	F	SGT-CF-1A-1 TEMP. LOC-AL-	R 572 H8/5.5	M544 H11	R608	NH		4320	2.0	
18	SGT-FU-1B+	SGT-TS-6B1	K120	CSD-3(A)	355006					F
3	F	SGT-CF-1B-1 TEMP. LOC-AL-	R 572 J42/5.8	M544 C11	R607	NH		4320	2.0	
18	SGT-FU-1A+	SGT-TS-7A1	K120	CSD-3(A)	355006					F
3	F	SGT-CF-1A-2 TEMP. -	R 572 H8/5.5	M544 H9	R608	NH		4320	2.0	
18	SGT-FU-1B+	SGT-TS-7B1	K120	CSD-3(A)	355006					F
3	F	SGT-CF-1B-2 TEMP. -	R 572 J42/5.5	M544 C9	R607	NH		4320	2.0	
18	SGT-FU-1A+	SGT-TS-8A1	K120	CSD-3(A)	355006					F
3	F	SGT-FU-1A TEMP. AFTER SGT-FL-1A: LO	R 572 H8/5.8	M544 H12	R608	NH		4320	2.0	
18	SGT-FU-1B+	SGT-TS-8B1	K120	CSD-3(A)	355006					F
3	F	SGT-FU-1B TEMP. AFTER SGT-FL-1B LO	R 572 J42/6.8	M544 C12	R607	NH		4320	2.0	
02C41	SLC-TK-1+	SLC-EHC-2	6080	2043363	109009					
2	A	MAINTAINING HEATER FOR SLC-TK-1	R 548 H5/3.8	M522 H03		R		24	1.3	
02C41	SLC-TK-1+	SLC-EHC-3	6080	205070140	109010					N
2	A	MIXING HEATER FOR SLC-TK-1	R 548 H5/3.8	M522 H03		MR		24	1.3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UMP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EQ	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MPG PLANT LOCATION	MPG MODEL NO. HOOD	QID AGING	TEST DGE	ANL C	F/6 HOURS	C ACCURACY	FREQ TM	HL
											USE
02C41	SLC-P-1A+	SLC-M-1A	G080	5K324AK2120/324T	213030						
2	A	40HP/52A MOTOR FOR SCL-P-1A	R 530 3.67M.2	M522 F6	24						1 0
02C41	SLC-P-1B+	SLC-M-1B	G080	5K324AK2120/324T	213030						
2	A	40HP/52A MOTOR FOR SCL-P-1B	R 530 3.67M.2	M522 D6	24						1 0
41B	SLC-V-1A+	SLC-MO-1A	L200	SRB-000-5/K46	221008	1 4	0.0			35	N
2	A	.33HP .95A MOTOR OPER. SLC-V-1A	R 552 3.67M.2	M522 E4	24						1 0
41B	SLC-V-1B+	SLC-MO-1B	L200	SRB-000-5/K46	221008						
2	A	.33HP .95A MOTOR OPER. SLC-V-1B	R 552 3.67M.2	M522 D6	24						1 0
02	SLC-PT-4	G080	556110EAAA1WEM	259001	1 4	0.0			00		N
2	A	SLC PUMP DISCHARGE PRESSURE TRANSM	R 553 M.0/3.5	M522 G6	4320					1 3	
02	SLC-RMS-52	G080	CR2948								
3	A	SLC HEATER SWITCH	R 548 M.0/3.47	807E161TC	24						4 3
215	SLC-TK-1+	SLC-TF-6	F080	40-104044-103	339010						
2	A	SLC STORAGE TANK TEMPERATURE	R 548 M.7/3.6	M522 H3	4320					2 3	
02	SLC-TK-1+	SLC-TIC-2	F080	40-104044-103	341004						
2	A	SLC TEMP. CONTROLLER	R	M522 H3	24					1 3	
02	SLC-TK-1+	SLC-TS-3									
2	A	SLC TEMP. SWITCH	R 548 M.0/3.47	M522 H3	4320					2 3	
02C41	SLC-V-4A+	SLC-V-4A	C515	1832159							
2	A	SLC EXPLOSIVE ACT INLET TO PRIMARY	R 548 M.2/3.7	M522 F8	4320					1 0	
02C41	SLC-V-4B+	SLC-V-4B	C515	1832159							
2	A	SLC EXPLOSIVE ACT INLET TO PRIMARY	R 548 M.2/3.8	M522 D8	4320					1 0	
21B	SPTH-TE-1A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D6	24					1 0	

WASHINGTON POWER SUPPLY SYSTEM
WHP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 229

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGE	TEST DRE	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
EC				DRAWING					USE	
218		SPTH-TE-18	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24	1.0	
218		SPTH-TE-10	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 446 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-11	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 448 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-12	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-13	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-14	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-15	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-16	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B5	DD			24	1.0	
218		SPTH-TE-2A	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24	1.0	
218		SPTH-TE-2B	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24	1.0	
218		SPTH-TE-3A	H329	TC-113X-T-A-24-3	339002					
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24	1.0	
218		SPTH-TE-3B	H329	TC-113X-T-A-24-3	339002					
3	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24	1.0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1F EQUIPMENT LIST

DATE 01/12/82 PAGE 230

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	WPP-2 PLANT LOCATION	WPP-2 EQUIPMENT NO.	WPP-2 MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HU
		EQUIPMENT DESCRIPTION									ACCURACY		
218	2	I	SPTH-TE-4A	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-4B	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-5A	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D5	DD					24	1 0	
218	2	I	SPTH-TE-5B	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D5	DD					24	1 0	
218	2	I	SPTH-TE-6A	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-6B	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-7A	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D2	DD					24	1 0	
218	3	I	SPTH-TE-7B	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D2	DD					24	1 0	
218	2	I	SPTH-TE-8A	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-8B	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519	D4	DD					24	1 0	
218	2	I	SPTH-TE-9	H329	TC-113X-T-A-24-3	339002							
		SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	H519	B5	DD					24	1 0	
2	A		SRM-DET-1A	G080	IN RPV								
											4320	1 3	

807E162TC

WASHINGTON POWER SUPPLY SYSTEM
VNP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 231

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY	TEST AGE	ANL OBS	E70 HOURS	QTY FREQ	IN ACCURACY
EC				DRAWING						USE
2	A	SRM-DET-1B	6080	IN RPV	807E162TC			4320	1	3
2	A	SRM-DET-1C	6080	IN RPV	807E162TC			4320	1	3
2	A	SRM-DET-1D	6080	IN RPV	807E162TC			4320	1	3
02	1	E-IR-P01B	SW-FI-7A	R 501 J.8/3.6	AR	1.4	0.0	4320	33+	N
3		FLOW TRANSMITTER		M524 011				4320	1	3
02	1	E-IR-P021	SW-FI-7B	6082 50-555111BMAA4UCF	AP	1.4	0.0	4320	33+	N
3		FLOW TRANSMITTER		R 501 H.8/7.3	M524 010			4320	1	3
41A	2	SW-V-187A+	SW-MO-187A	R 54B	NR			4320		
2	6	NO FOR SW-V-187A INTO FPC-HX-1A		M524 B8				4320	2	0
41A	2	SW-V-187B+	SW-MO-187B	R 54B	NR			4320		
2	6	SW-V-187B NO SW INTO FPC-HX-1B		M524 B6				4320	2	0
41A	2	SW-V-188A+	SW-MO-188A	R 54B	NR			4320		
2	6	SW-V-188A NO SW OUT OF FPC-HX-1A		M524 B8				4320	2	0
41A	2	SW-V-188B+	SW-MO-188B	R 54B	NR			4320		
2	6	SW-V-188B NO SW OUT OF FPC-HX-1B		M524 B7				4320	2	0
215	2	SW-V-24A+	SW-MO-24A	L200 SHC-04-5/42	221010	1.4	0.0	4320	33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24A	R 448 K.6/8.0	M524 012	R116 RA			4320	1	3
215	2	SW-V-24B+	SW-MO-24B	L200 SHC-04-5/42	221010	1.4	0.0	4320	33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24B	R 450 L8/8.3	M524 010	R115 RA			4320	1	3
215	2	SW-V-24C+	SW-MO-24C	L200 SHC-04-5/42	221010	1.4	0.0	4320	33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24C	R 450 H.7/4.4	M524 013	R113 RA			4320	1	3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

NRP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 252

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID QSN	TEST ASXNG	ANL C	F/O HOURS	C C	FREQ ACCURACY	TM HL
215	2	SW-V-44+ 0.5HP MOTOR OPERATOR SW-V-44	SW-MQ-44 R 455 K6/9/369	L200 SMC-04-5/42	H114 BA	221010	1 4	0 0		33	N
215	2	SW-V-54+ 0.5HP MOTOR OPERATOR SW-V-54	SW-MQ-54 R 450 M9/400	L200 SMC-04-5/42	H106 BA	221016		4320		1 0	
215	2	SW-V-75A+ MOTOR OPERATOR FOR SW-V-75A	SW-MQ-75A R 422 J/9/44	L200 SMC-04-5/42	H106 BA	221016		4320		1 0	
215	2	SW-V-75B+ MOTOR OPERATOR FOR SW-V-75B	SW-MQ-75B R 522 M6/9/44	L200 SMC-04-5/42	H106 BA	221016		4320		1 0	P
220	2	SW-PS-1014 SUPPLY TO H2-02 ANALY SW-V-754	A499 R 548	SC11AR/T010A44R M607/2 C15	256001 BT	1 4	0 0	4320		50	N
220	2	SW-PS-1015 SUPPLY TO H2-02 ANALY SW-V-755	A499 R 548	SC11AR/T010A44R M607/2 B15	256001 BT	1 4	0 0	4320		50	N
02D17	2	S-SR-42+ SW DISCH FROM RHR-HX-1B	SW-RE-4 R 522 K6/9/45	G080 117B16816001	277004 R			4320		1 3	
02D17	2	S-SR-43+ SW DISCH FROM RHR-HX-1A	SW-RE-5 R 522 M1/9/45	G080 117B16816001	277004 R			4320		1 3	
3	3	SW-RLY-GRV44 CONTROL RELAY FOR SW-V-44	S440 R 522 H4/4/11	H E527 SH9				4320		1 3	
02	3	S-SR-42+ RHR-HX-1A OUTLET RAD TRANSMITTER	SW-RT-1 R 522		R			4320		1 3	
02	3	S-SR-43+ RHR-HX-1B OUTLET RAD TRANSMITTER	SW-RT-2 R 522		R			4320		1 3	
220	2	SW-SV-201	M095 R 548	MV229MA-L2 M607/2 C15	324004 DA			4320		1 0	

WASHINGTON POWER SUPPLY SYSTEM
WNP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 233

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID ARTNO	TEST DBF	ANL C	F70 HOURS	C FREQ	TH ACCURACY	HL
220 2 F	EC	SW-SV-204	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 C15							
220 2 F		SW-SV-206	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 B15							
220 2 F		SW-SV-209	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 B15							
220 2 F		SW-SV-210	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 A12							
220 2 F		SW-SV-211	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 A12							
220 2 F		SW-SV-212	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 B13							
220 2 F		SW-SV-213	R 548	M095 MV229HS-L2	324004	DA		4320		1 0	
				M60772 B13							
215 2 J		SW-V-34	R 460	M.3/8.3 282232		R		4320		2 1	
		1.5" SOLENOID VLV RCIC PUMP RM		R525 D11							

Appendix B contains the following information:

- Normal and Abnormal Service Conditions: the normal and abnormal temperature, pressure and humidity for harsh environment areas B.1
- Primary Containment Service Conditions Due to a LOCA/HELB in Primary Containment B.2
- Reactor Building Service Conditions Due to a LOCA/HELB in Primary Containment: the temperature, pressure, humidity and radiation service conditions B.3
- Pressure/Temperature Profiles: the accident profiles due to a LOCA/HELB in containment (Profile 1) and HELB's in the reactor building (Profiles 2 through 30) B.4
- Radiation Zone Maps: the zone maps of the Reactor Building locating the Class 1E equipment and defining the 6-month accident plus 40-year normal radiation dose. B.34

NORMAL AND ABNORMAL SERVICE CONDITIONS

<u>Area</u>	<u>Temperature</u>	<u>Pressure</u>	<u>Humidity</u>
-----Normal Service Conditions-----			
Containment	135°F average	14.7 psia	40 - 55%
Reactor Building	70 - 90°F	14.7 psia	40%
Steam Tunnel	125°F	14.7 psia	40 - 50%
-----Abnormal Service Conditions-----			
Containment	150°F maximum	16.7 psia	90%
Reactor Building	104°F maximum	14.7 psia	90%
Steam Tunnel	140°F maximum	14.7 psia	90 - 98%

PRIMARY CONTAINMENT SERVICE CONDITIONS DUE TO
A LOCA/HELB IN PRIMARY CONTAINMENT

Temperature/Pressure: Accident Profile 1 on Page B.4

Relative Humidity: 100%

Spray: Demineralized Water

Radiation (normal + accident):

- Above core: 3.4×10^7 rad
- Core region: 4.4×10^7 rad
- Under vessel: 2.9×10^7 rad
- Near recirculation lines: 3.4×10^7 rad
- >15 ft. from recirculation lines: 2.7×10^7 rad
- Suppression pool: 2.6×10^7 rad

REACTOR BUILDING SERVICE CONDITIONS DUE TO
A LOCA IN PRIMARY CONTAINMENT

Temperature: 150°F maximum

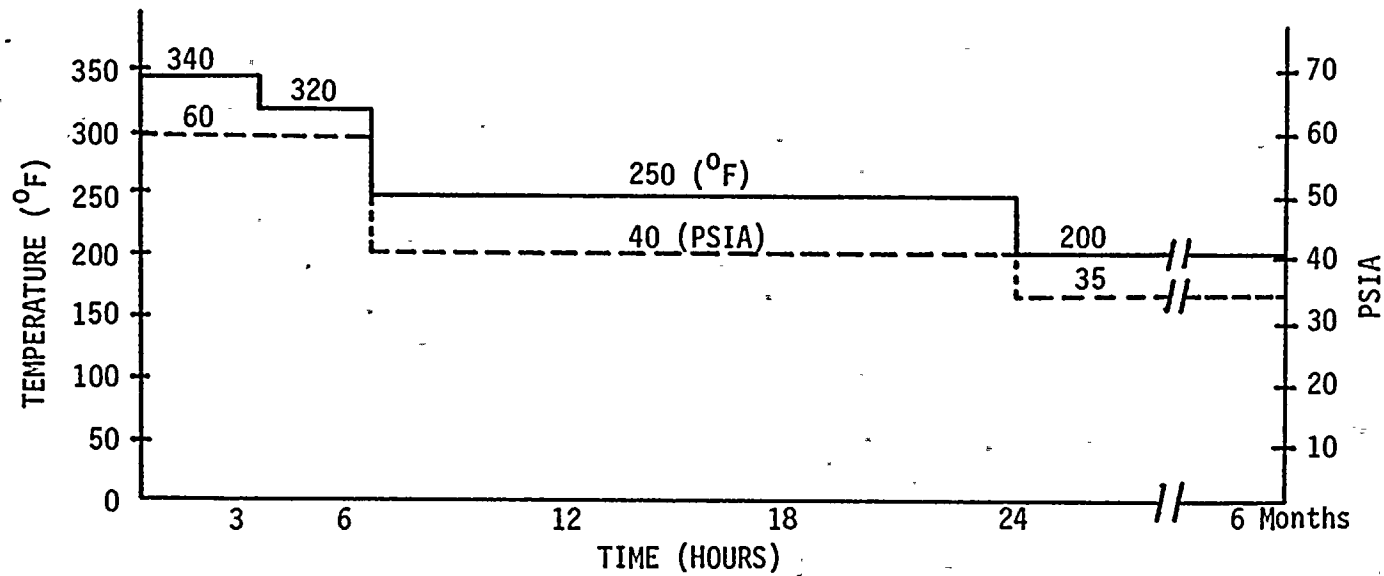
Pressure: 14.7 psia

Relative Humidity: 100%

Note: The humidity condition is currently being reevaluated.

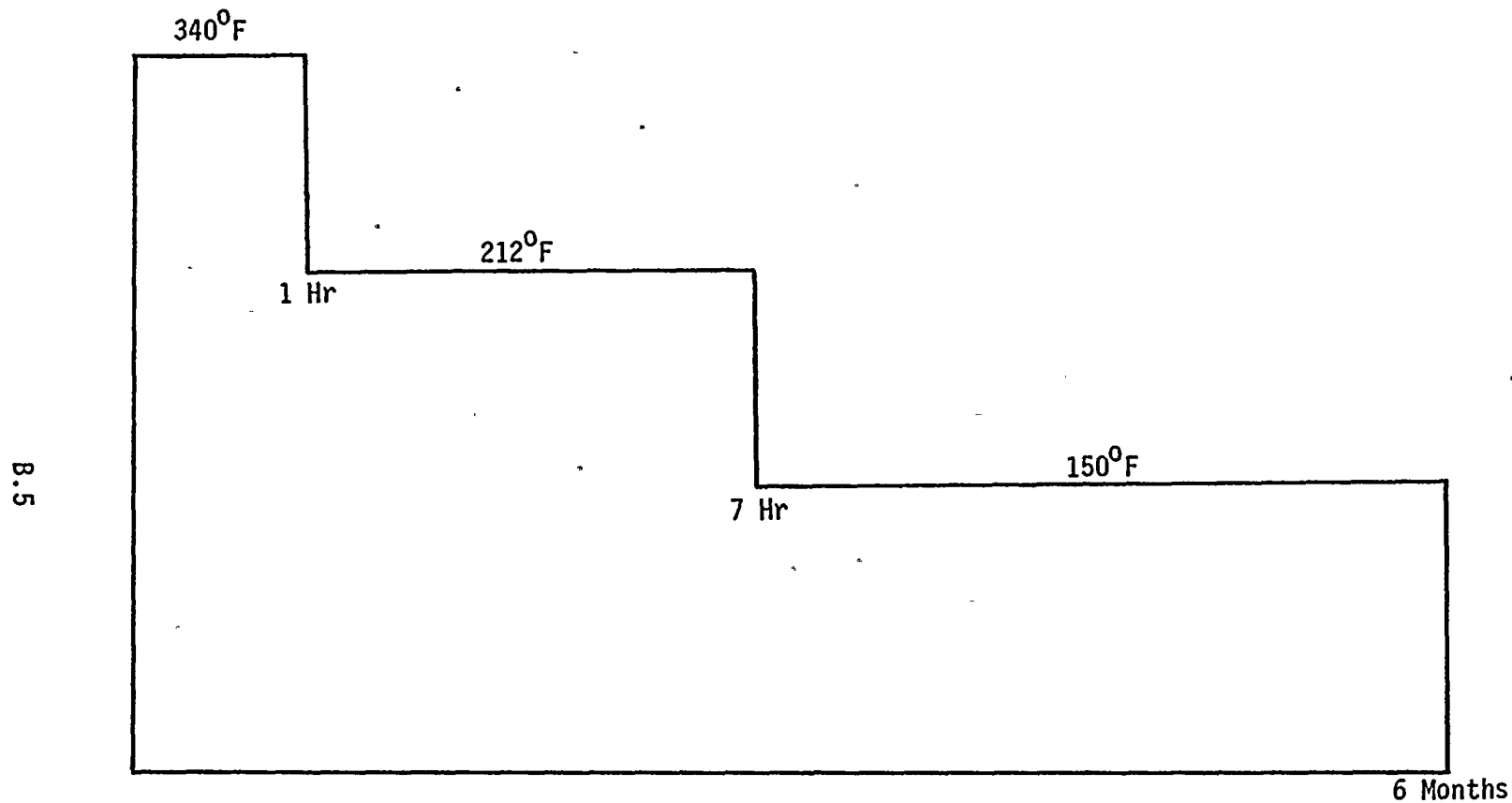
Radiation: The radiation dose depends on the equipment locations. The zone maps on the following pages give the worst equipment doses. Note that these are 6-month integrated doses.

B.4

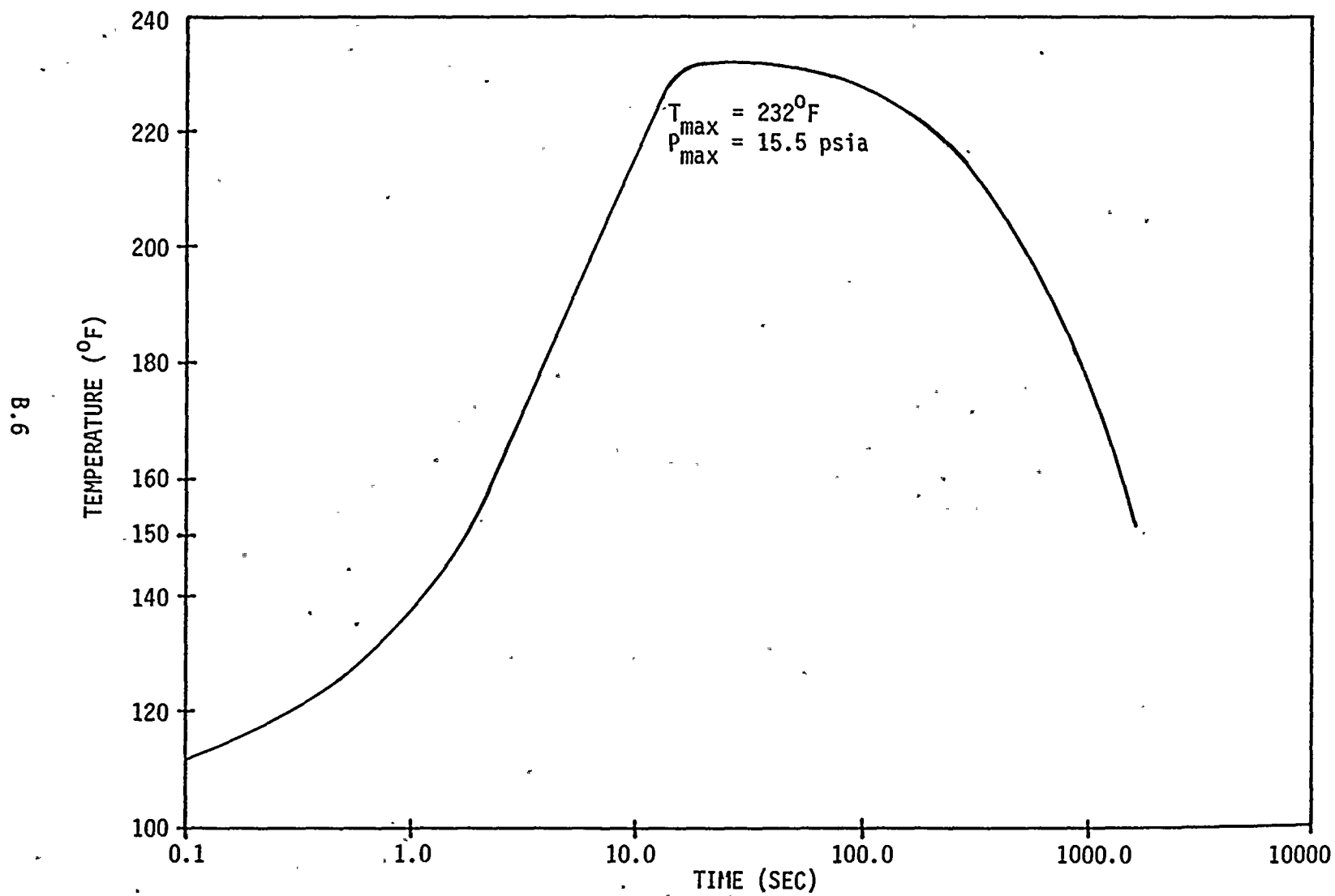


——— TEMP
----- PSIA

PROFILE 1. LOCA/HELB IN PRIMARY CONTAINMENT.
RESPONSE IN PRIMARY CONTAINMENT.

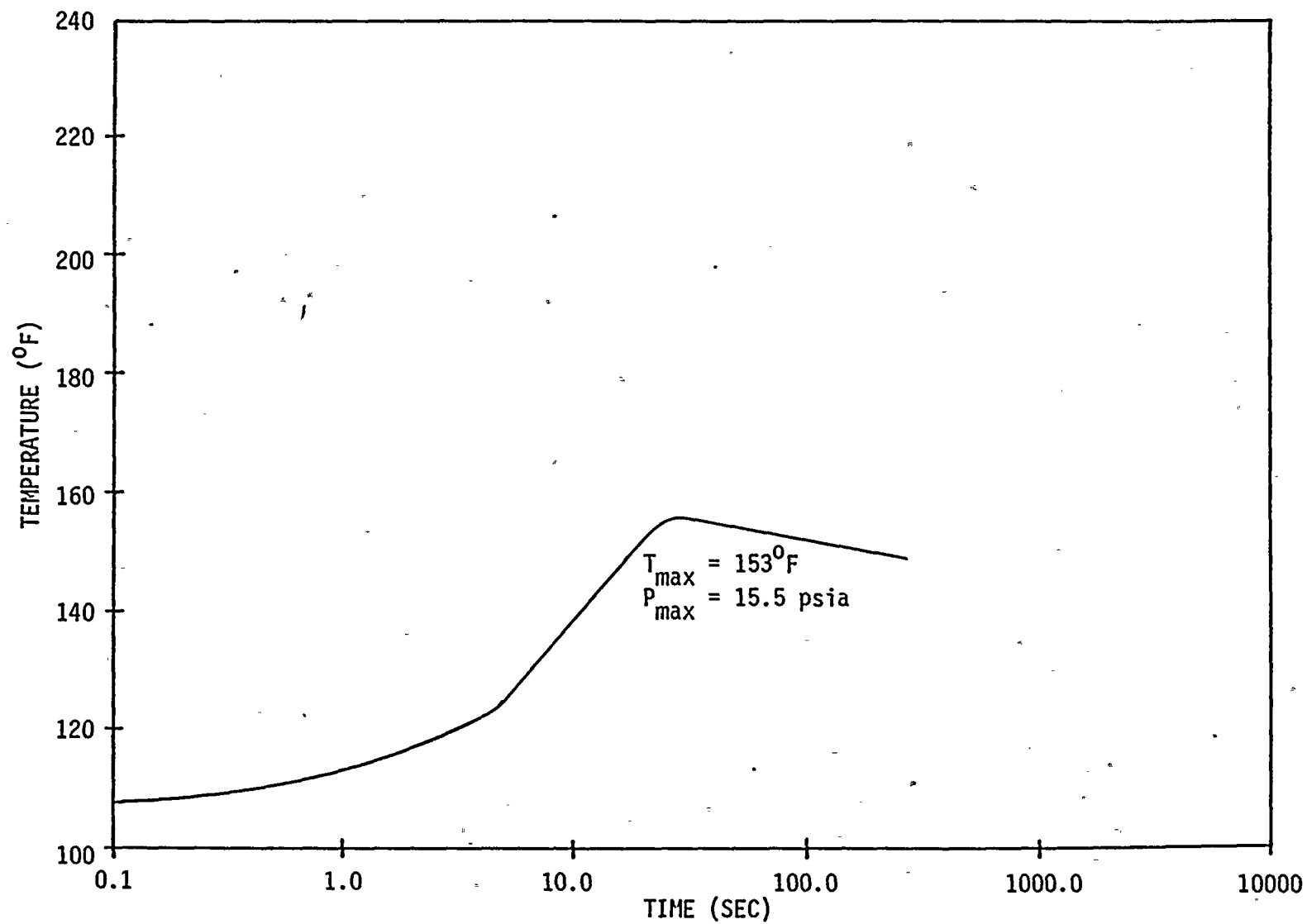


PROFILE 2. MSLB IN STEAM TUNNEL.
RESPONSE IN STEAM TUNNEL.



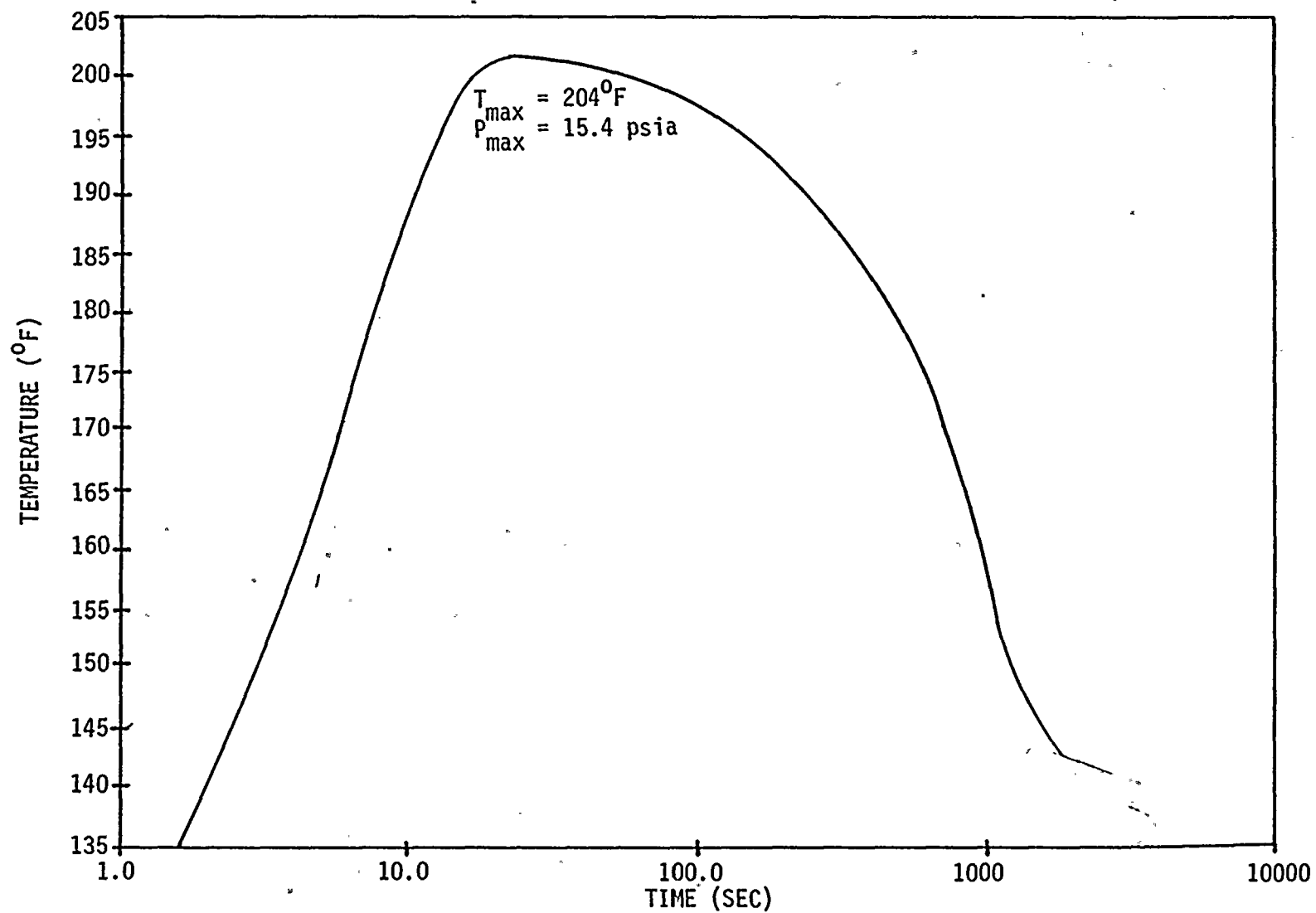
PROFILE 3. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL. 422).
RESPONSE IN RCIC PUMP ROOM (EL. 422).

B.7



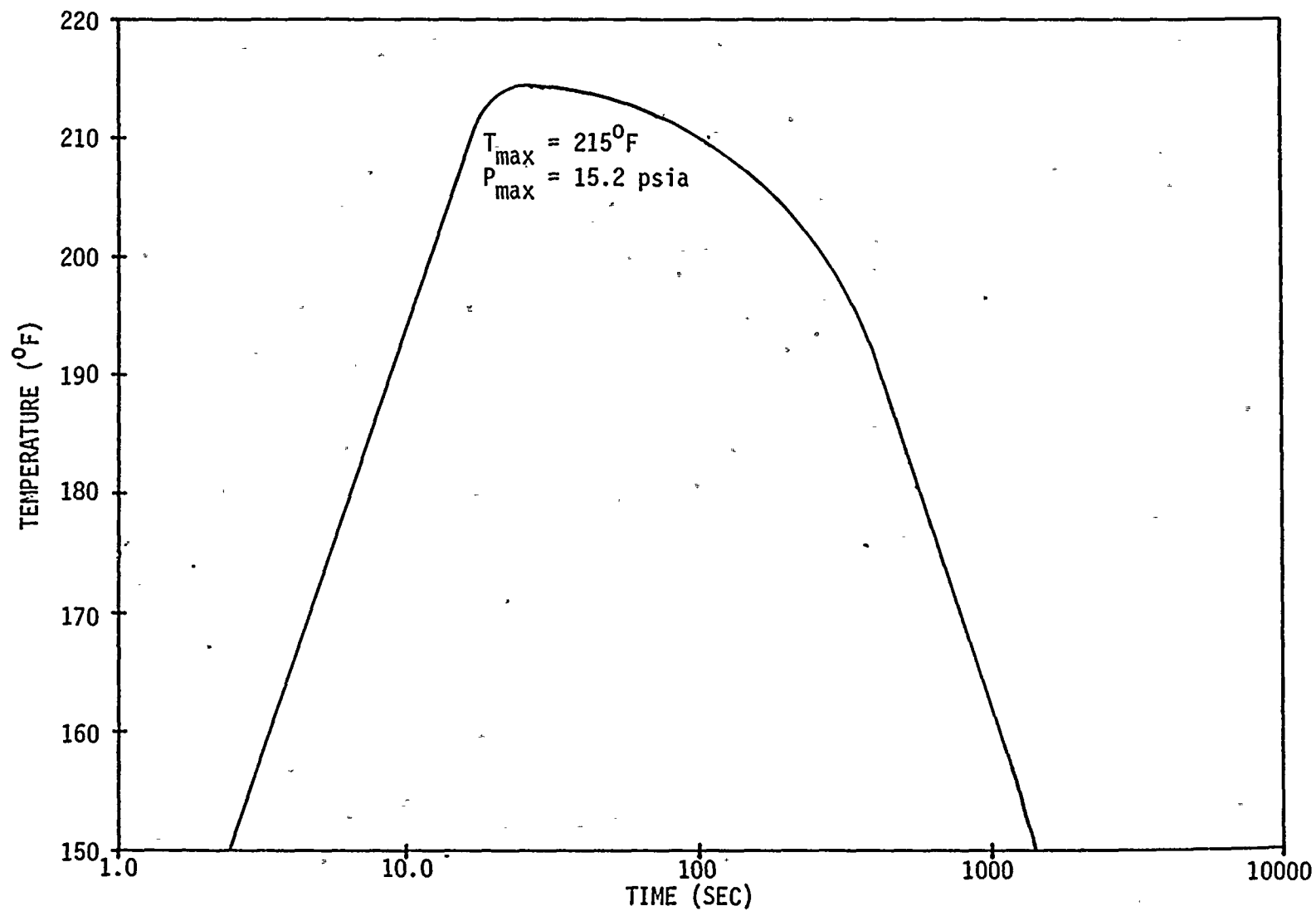
PROFILE 4. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422).
RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).

B.8



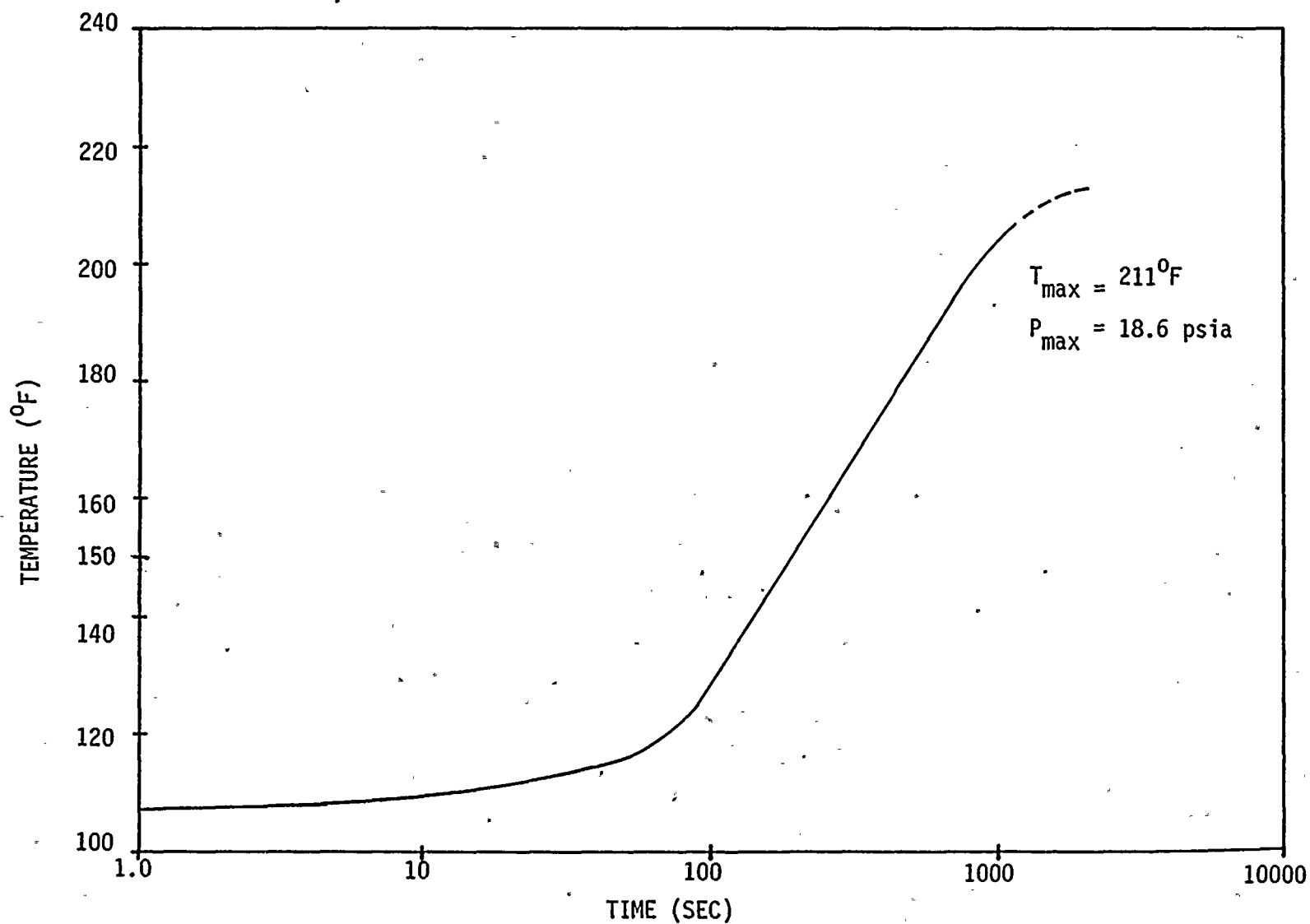
PROFILE 5. BREAK OF 4" RCIC LINE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).
RESPONSE IN THE ROOM ABOVE RCIC PUMP ROOM (EL 444).

B.9



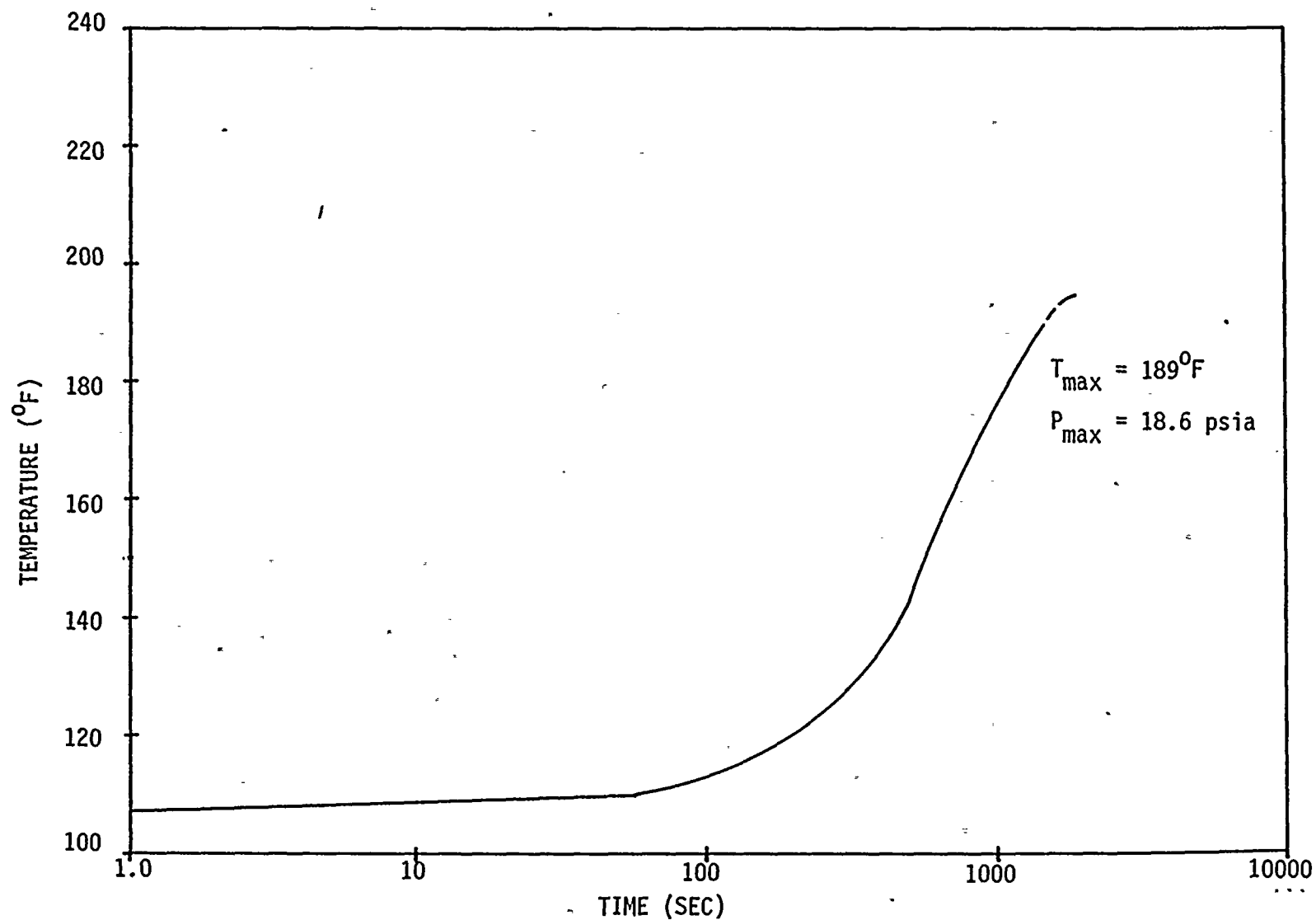
PROFILE 6. BREAK OF 4" RCIC LINE IN ROOM ABOVE RHR PUMP 2C ROOM (EL.444).
RESPONSE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444).

B.10



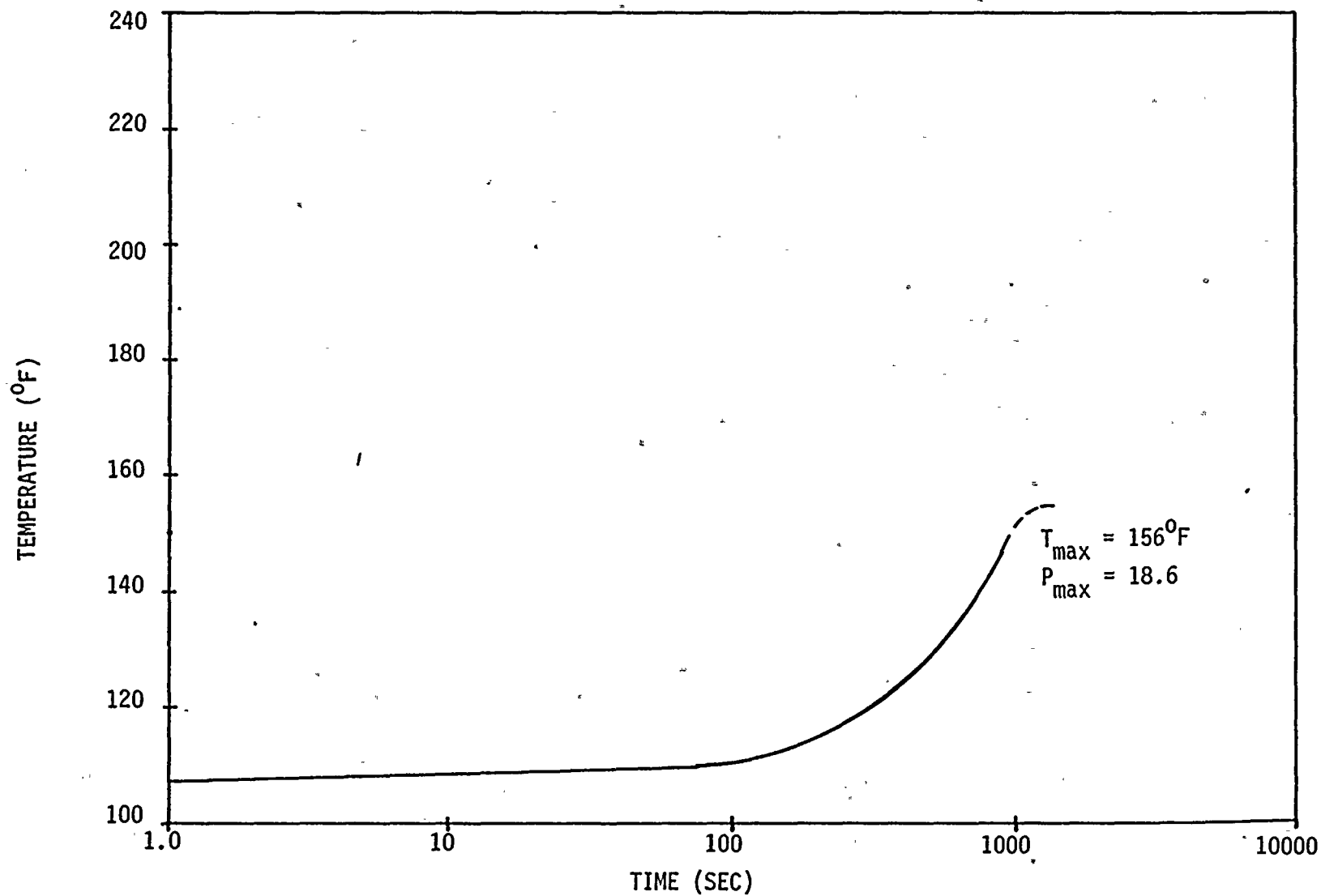
PROFILE 7. 4" LINE BREAK IN THE SO ~~WEST~~ EAST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 471).

B.11



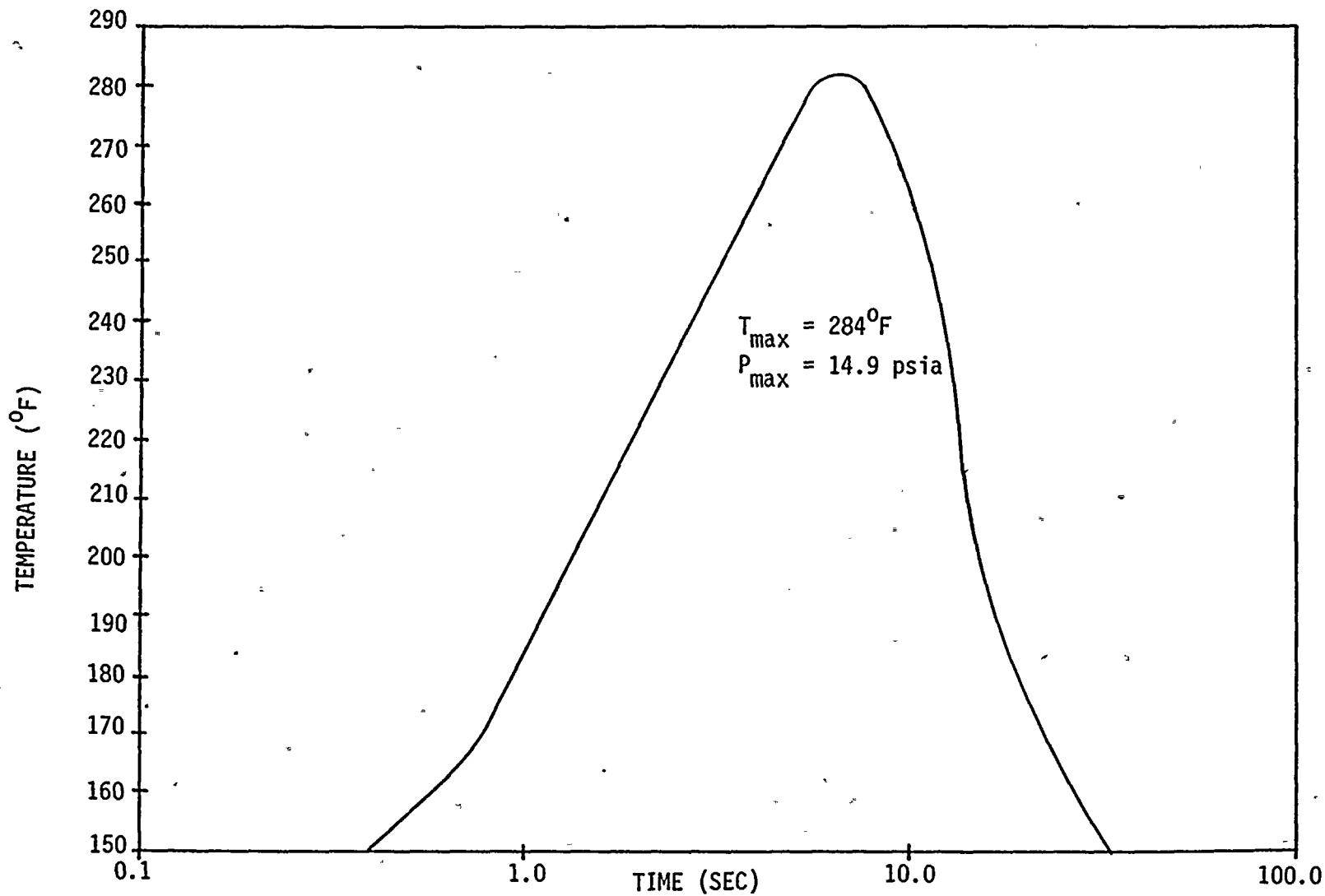
PROFILE 8. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 501).

B.12



PROFILE 9. 4" AS LINE BREAK IN THE EAST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 522).

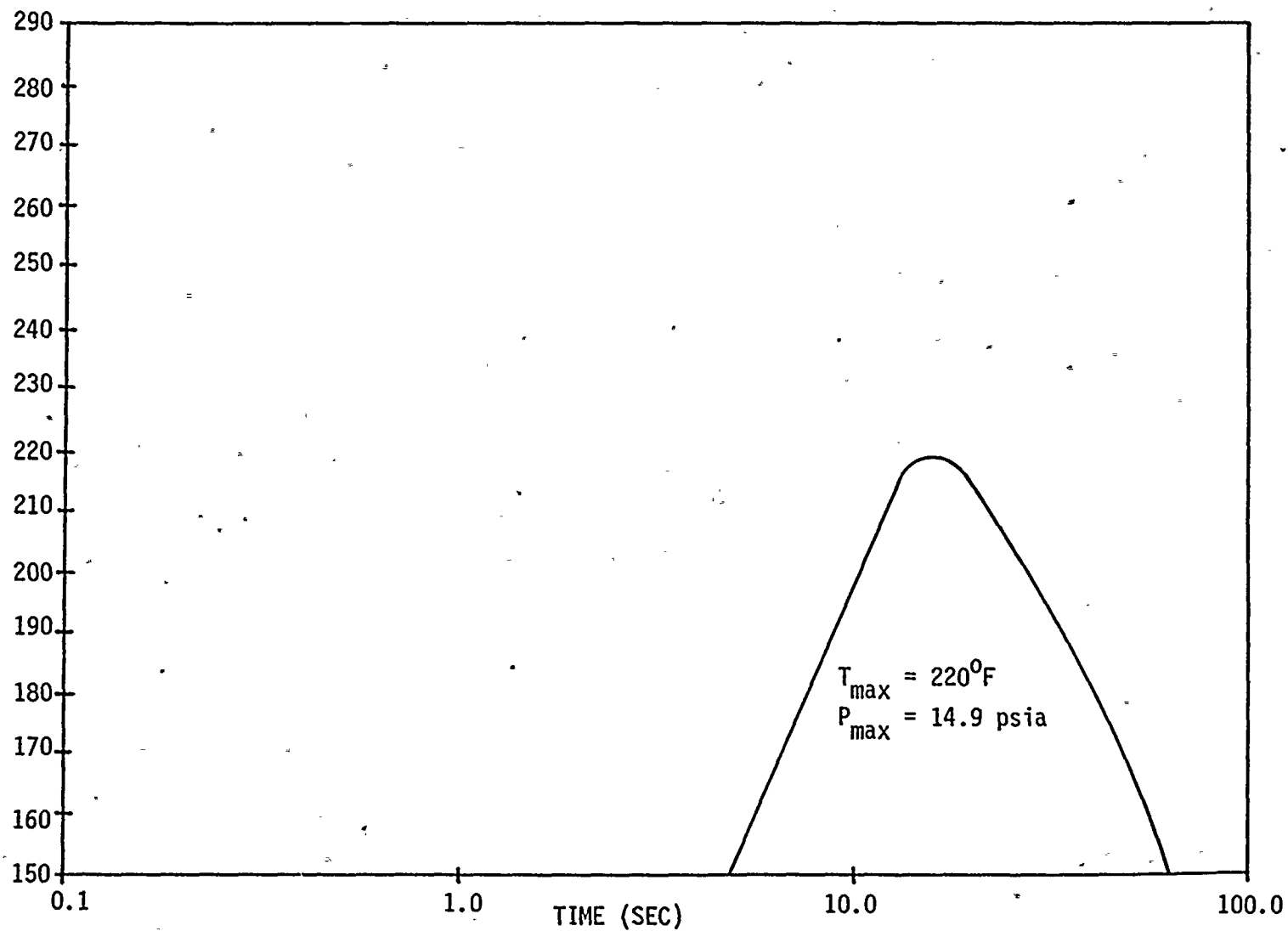
B.13



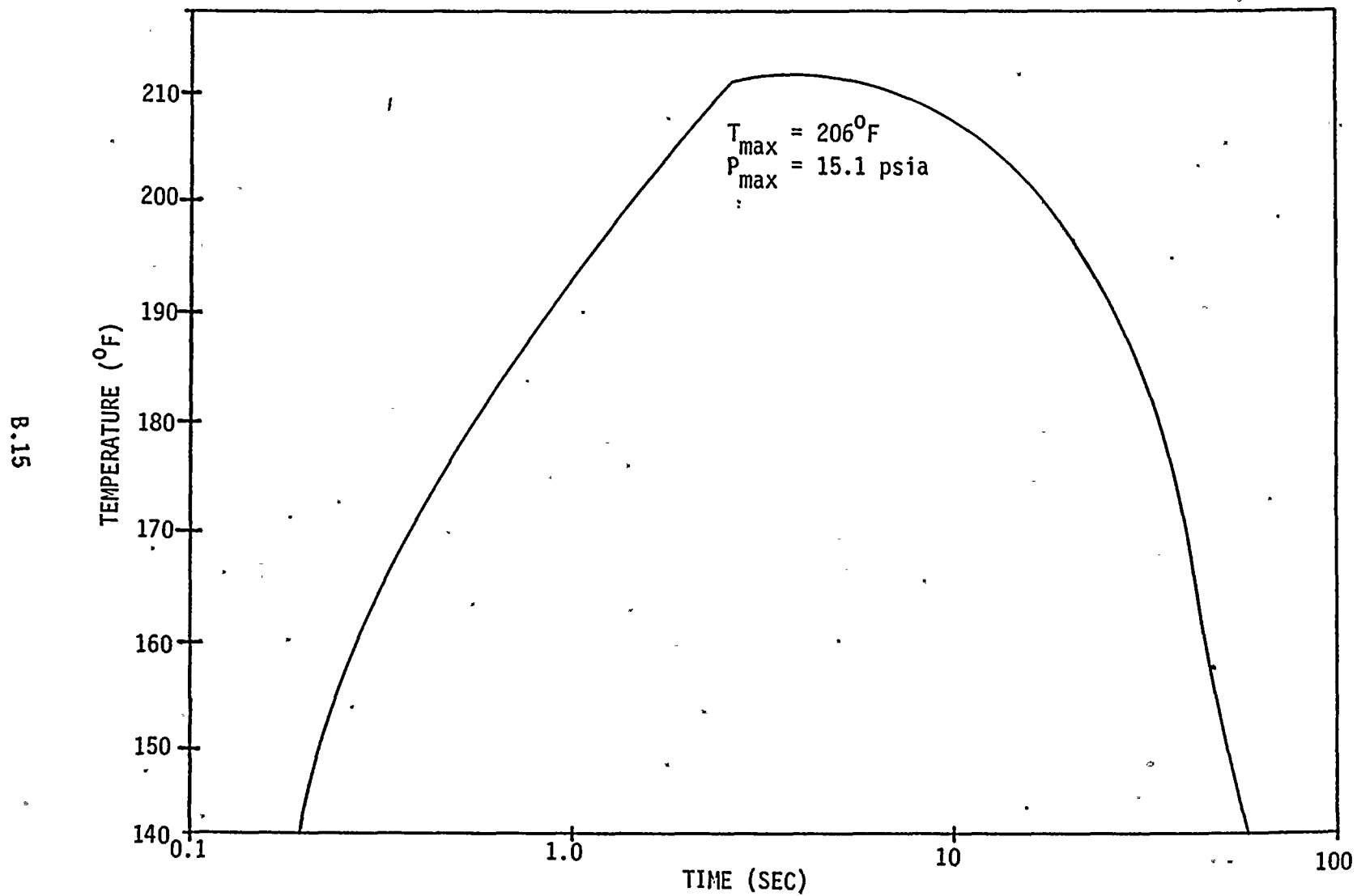
PROFILE 10. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501).
RESPONSE IN T.I.P. ROOM (EL 501).

B.14

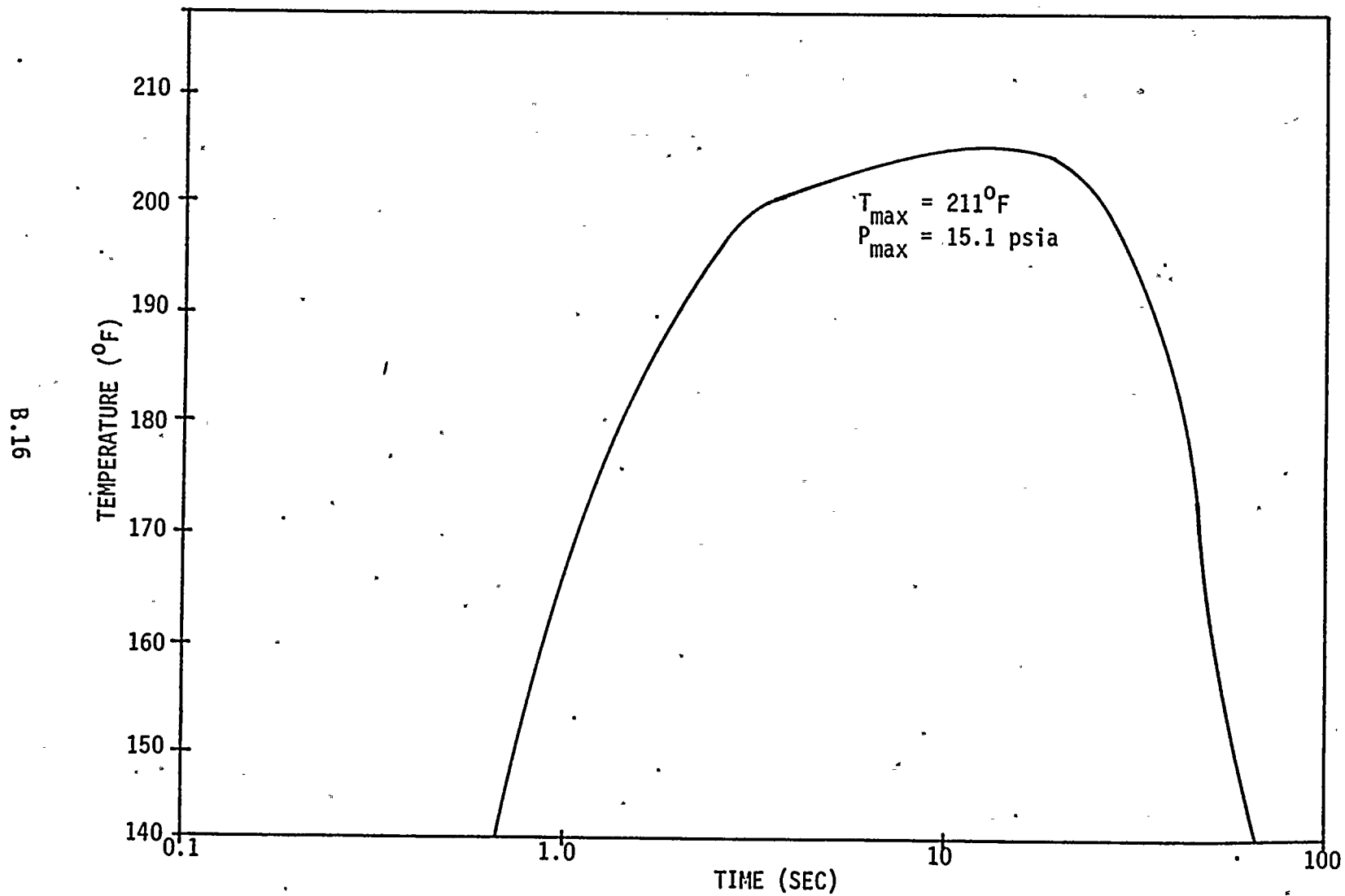
TEMPERATURE (°F)



PROFILE 11. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501).
RESPONSE IN THE ROOM ABOVE T.I.P. ROOM (EL 510.5).

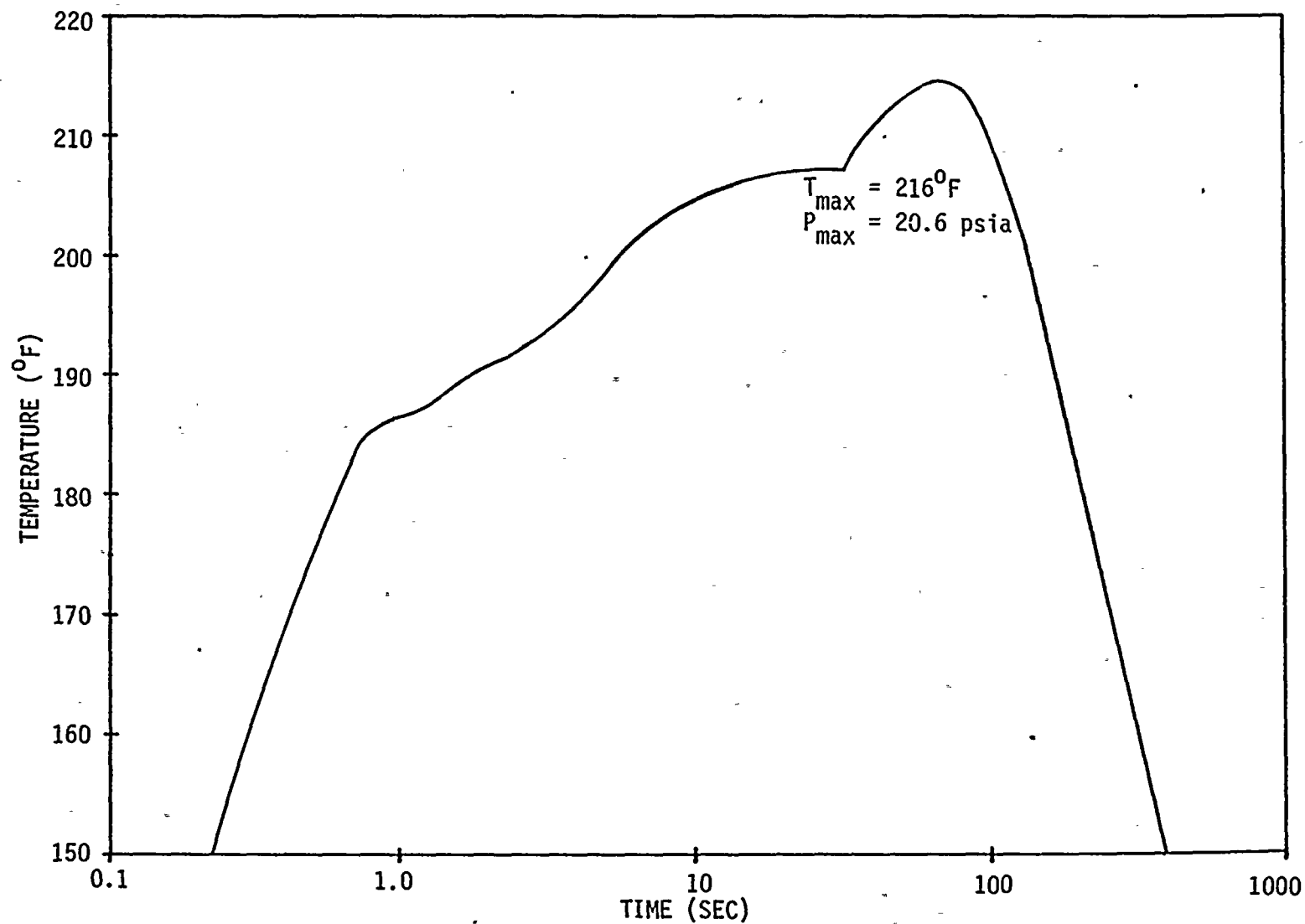


PROFILE 12. 6" RWC LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).
RESPONSE IN T.I.P. ROOM (EL 501).

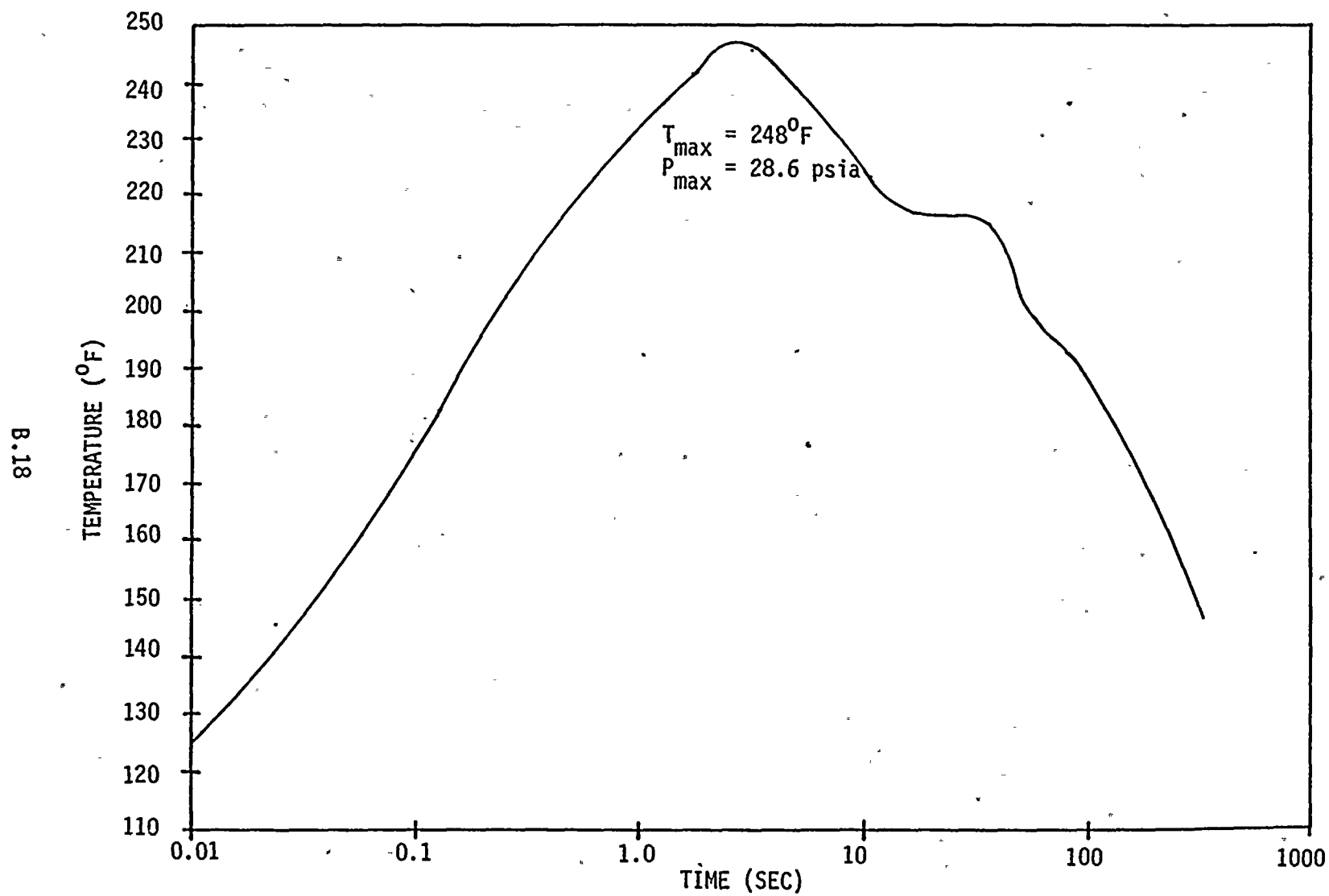


PROFILE 13. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).
RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

B.17

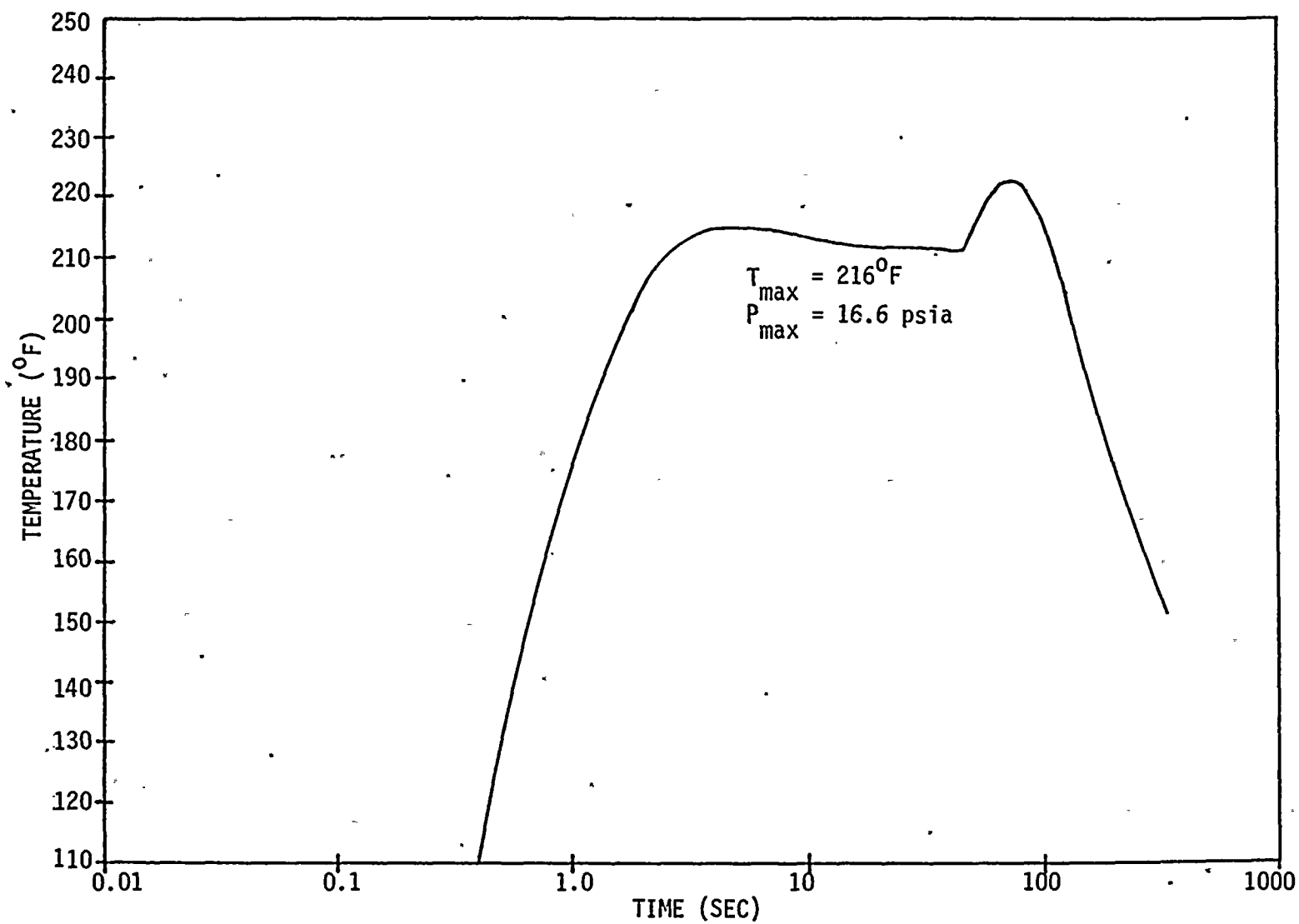


PROFILE 14. 6" RWCU LINE BREAK IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).
RESPONSE IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).



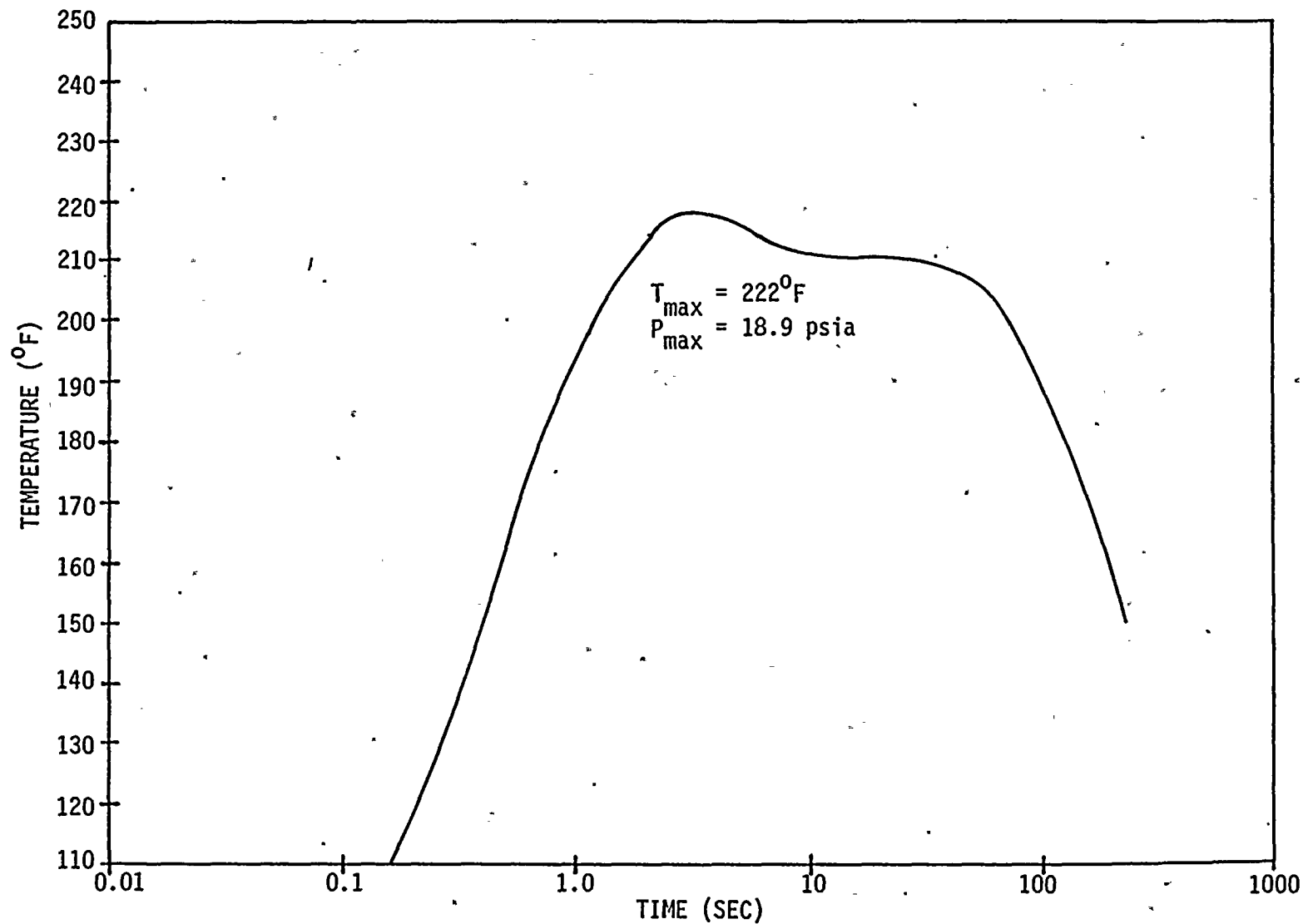
PROFILE 15. 4" RWCU LINE IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN RWCU PUMP ROOMS (EL 522).

B.19



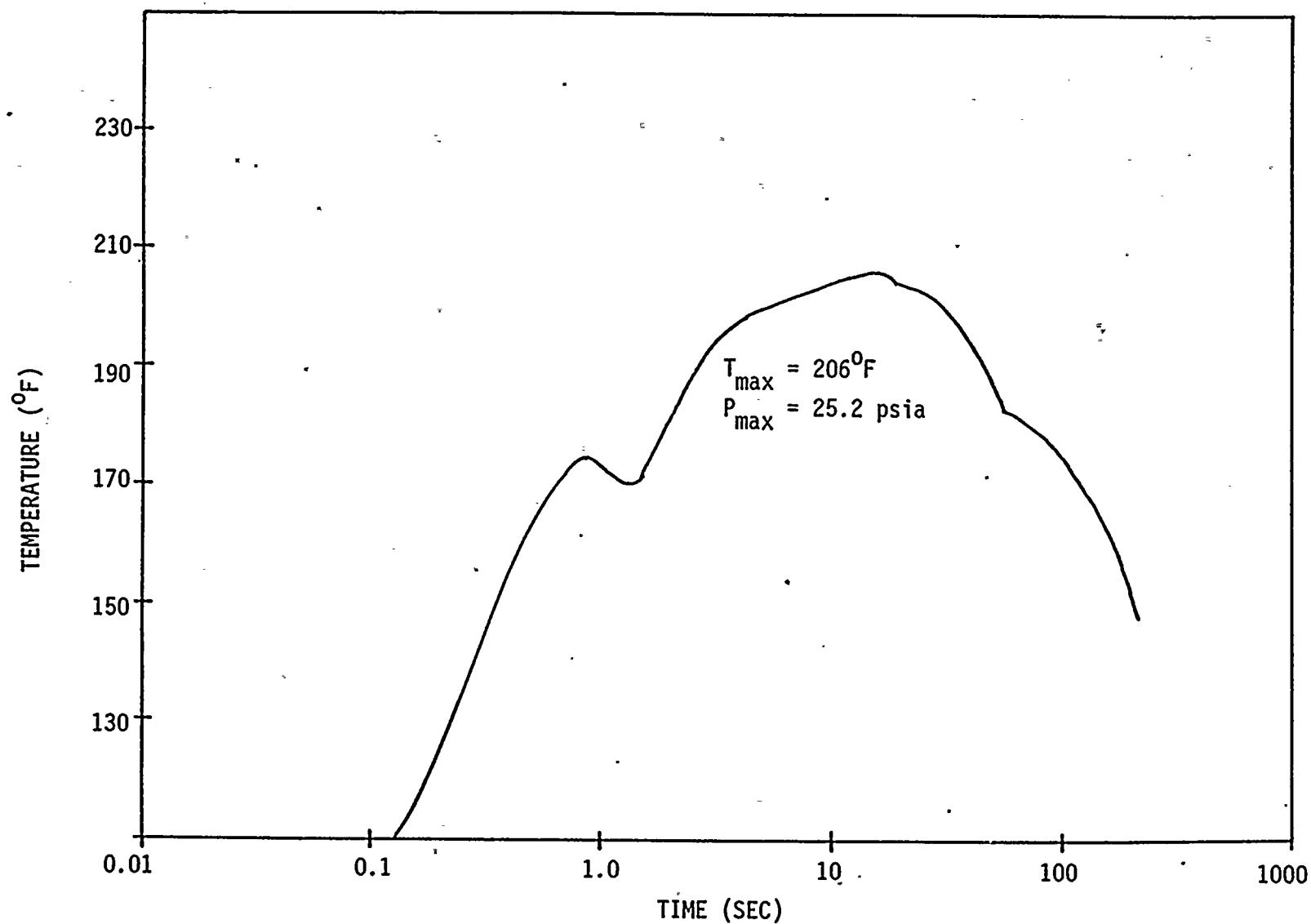
PROFILE 16. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

B.20



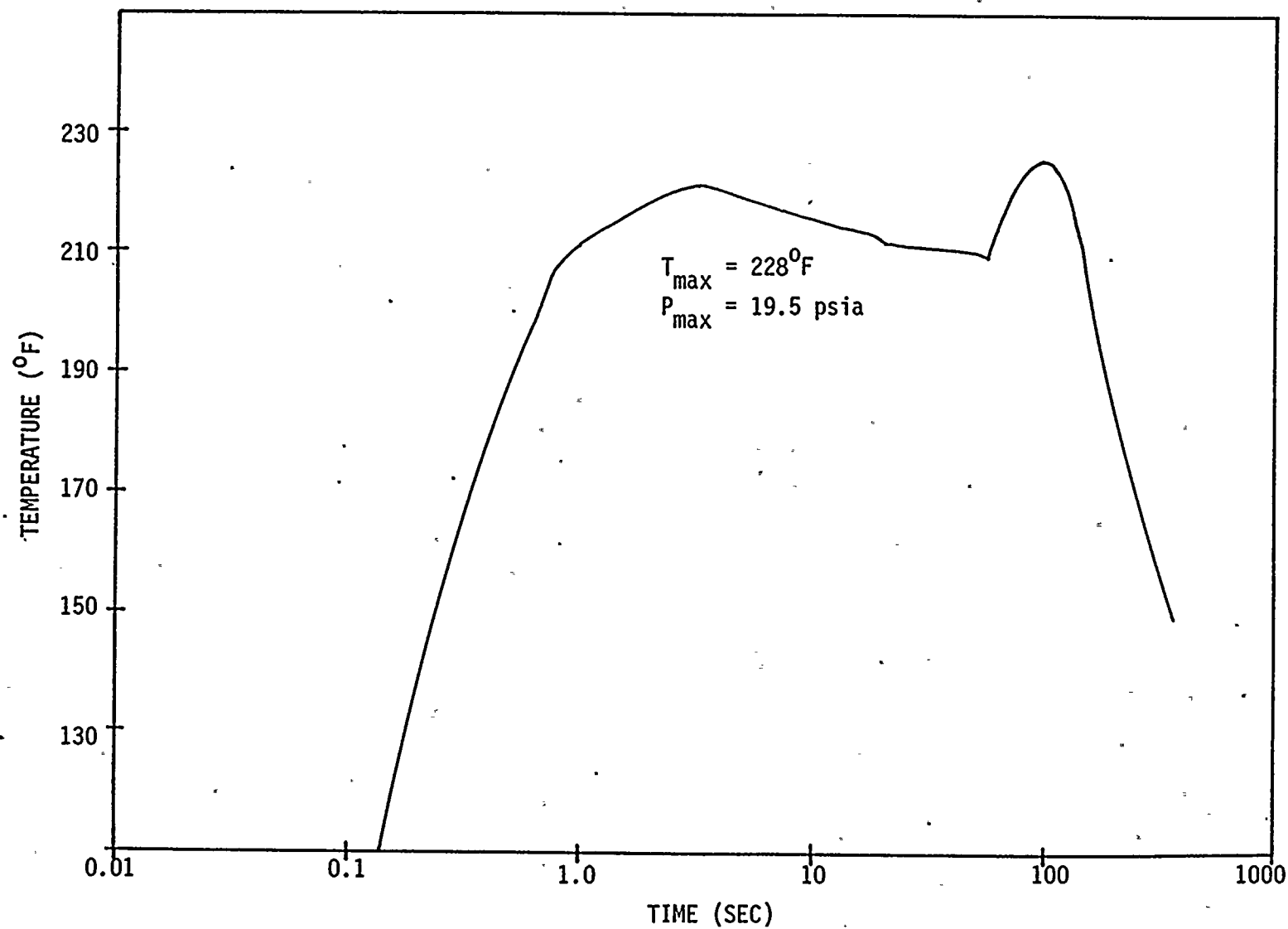
PROFILE 17. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN PUMP ROOM ABOVE RWCU PUMP ROOMS (EL 535).

B.21



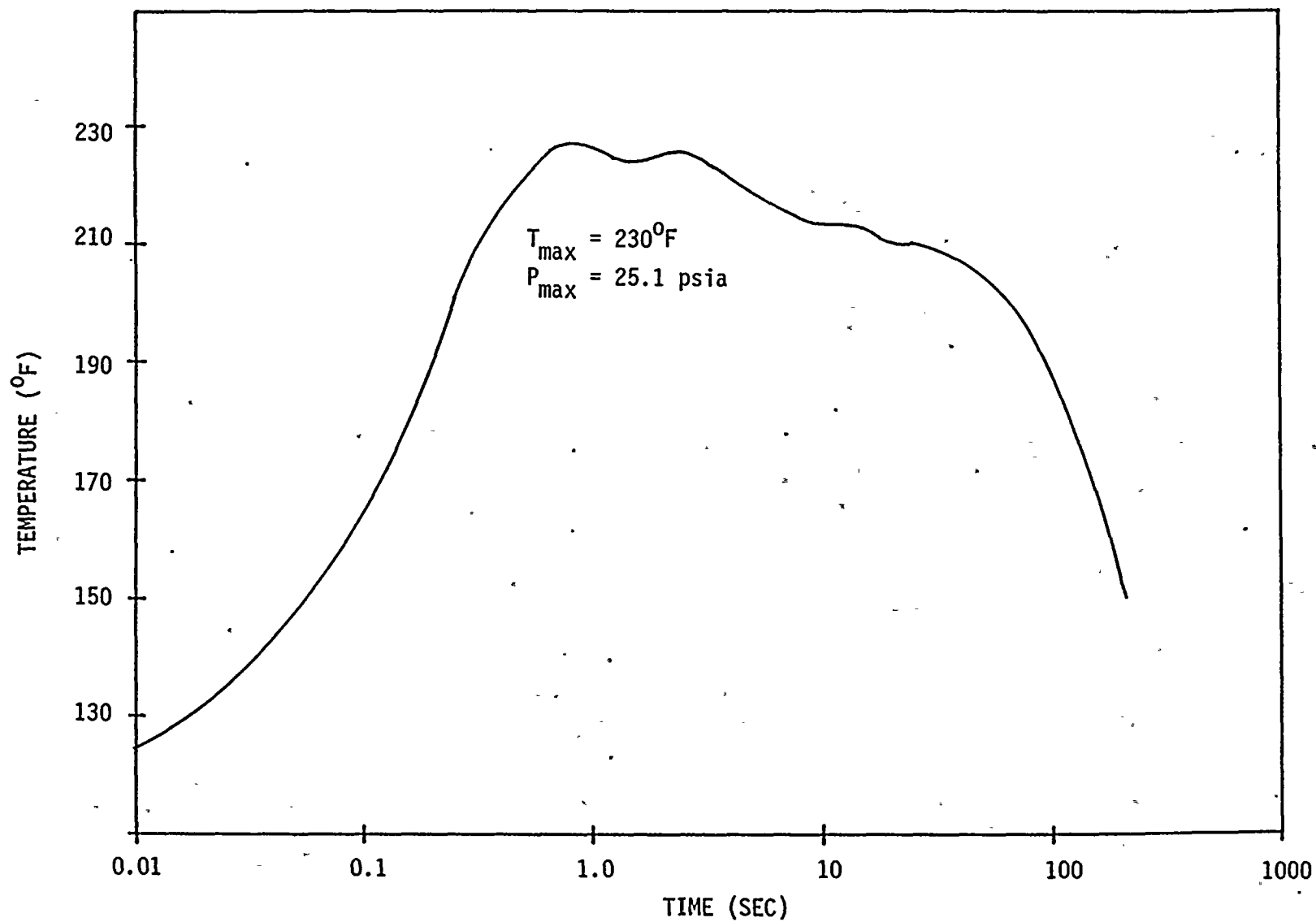
PROFILE 18. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN RWCU PUMP ROOMS (EL 522).

B.22

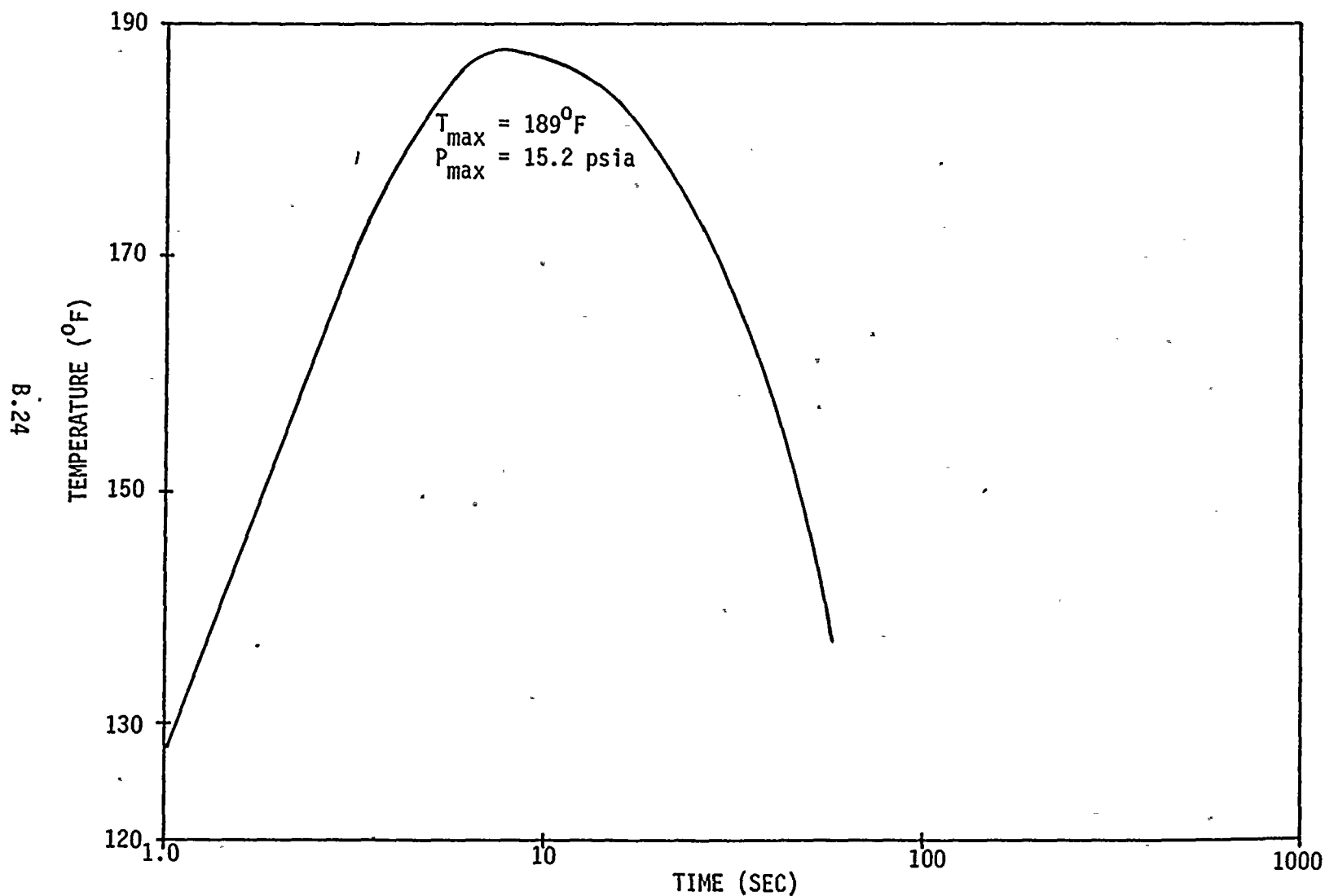


PROFILE 19. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

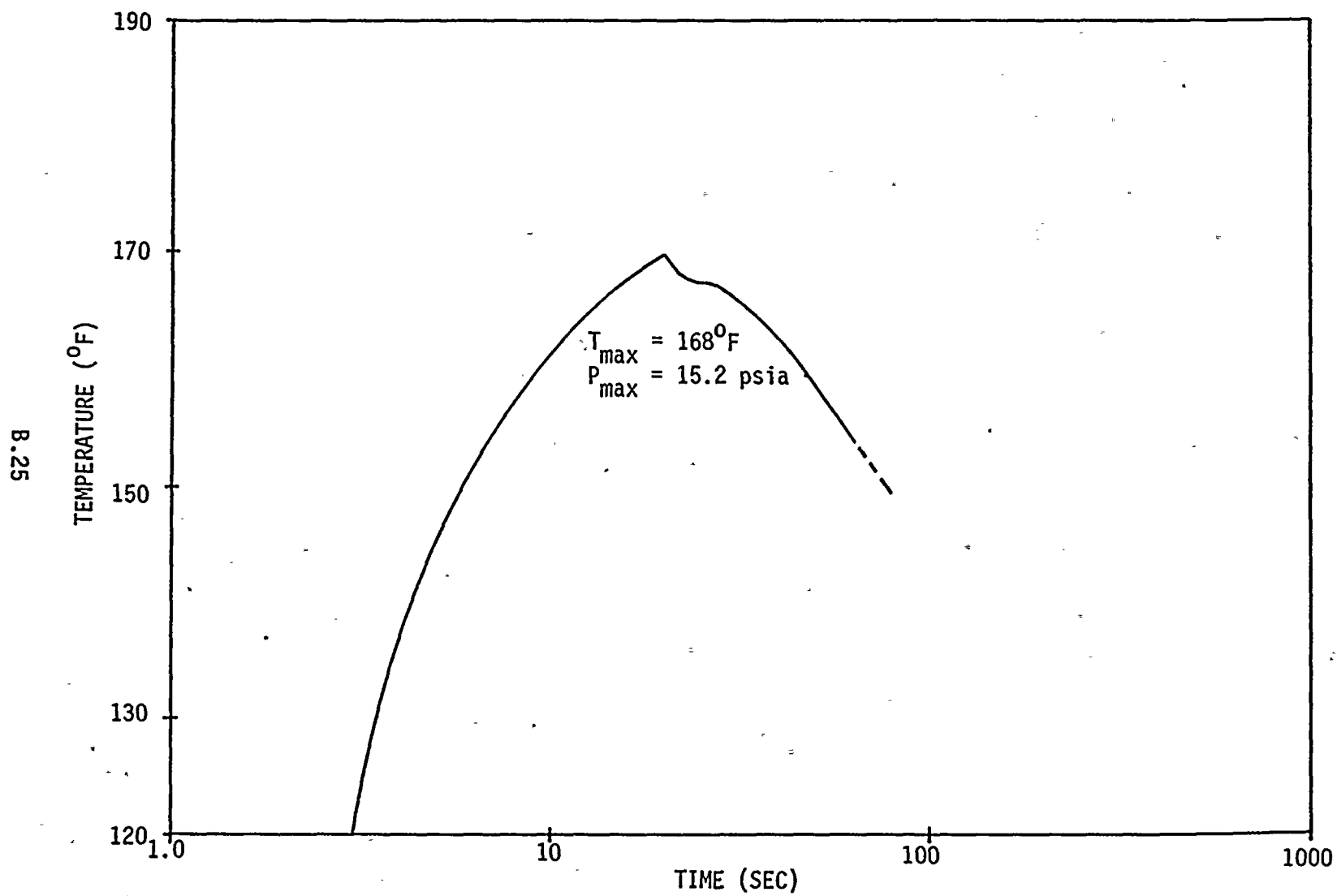
B.23



PROFILE 20. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN VALVE ROOM ABOVE PUMP ROOMS (EL 535).

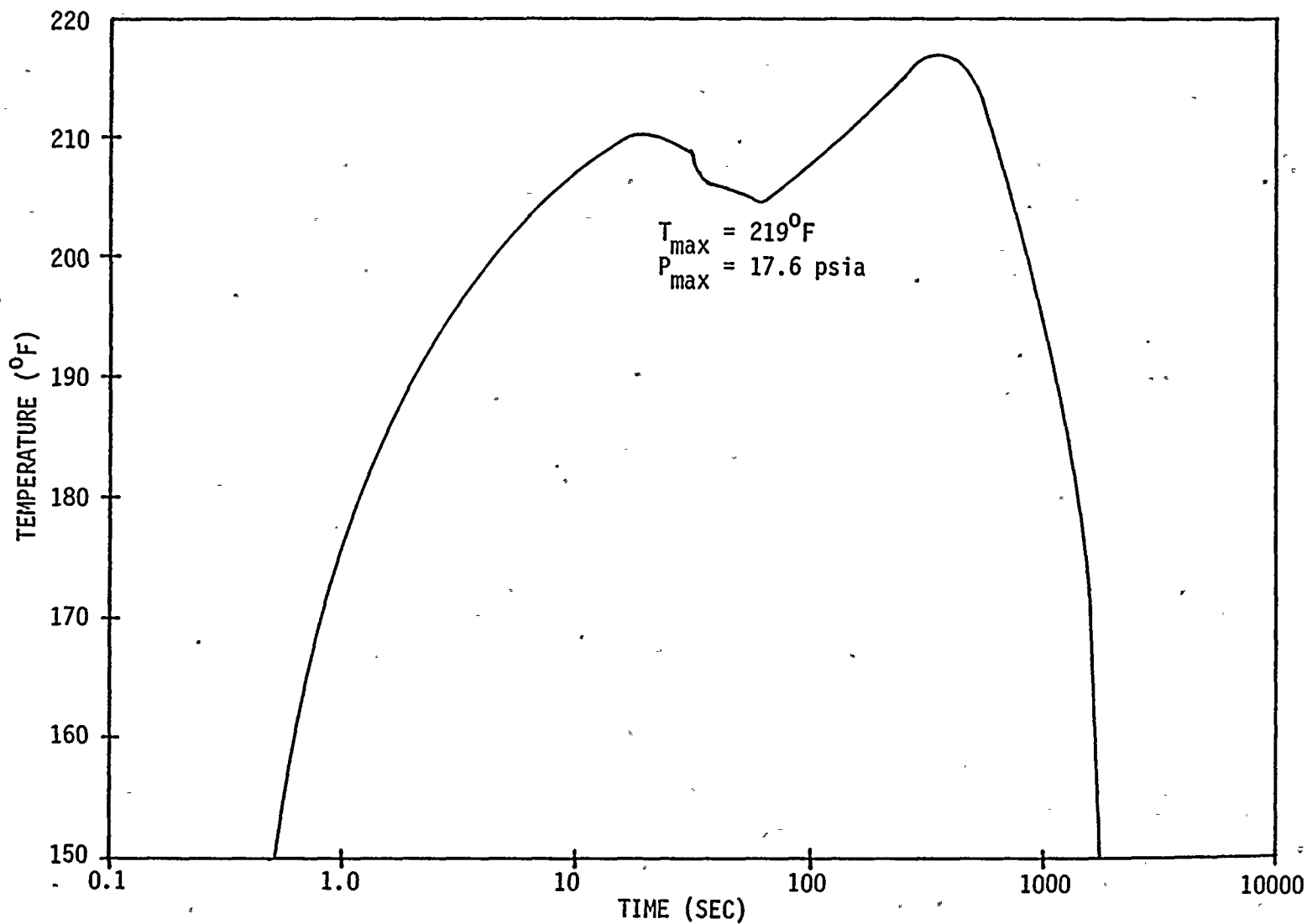


PROFILE 21'. 6" RWCU LINE BREAK IN ROOME ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN SOUTHEAST (EL 522).

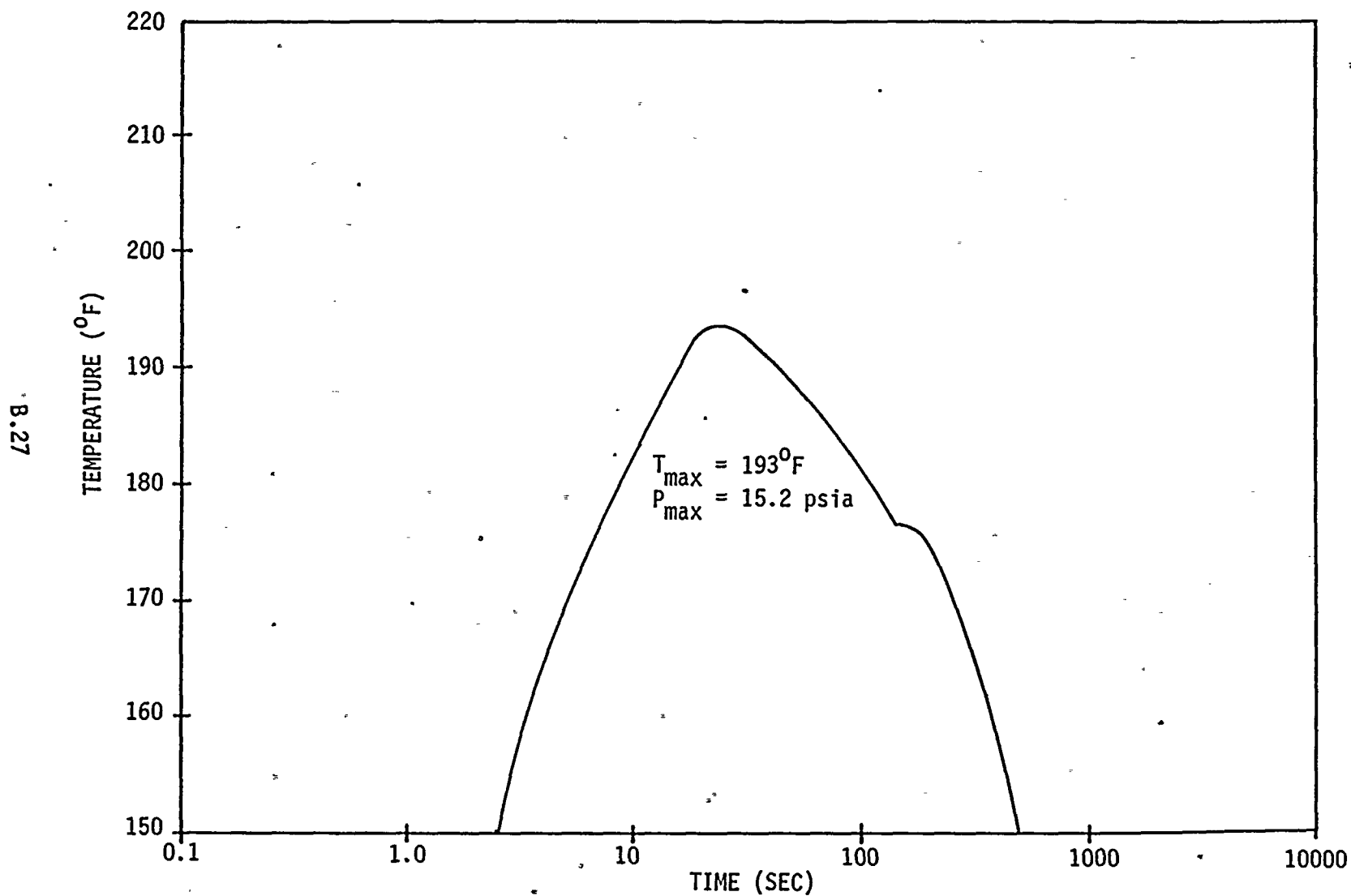


PROFILE 22. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN CRD EAST AREA (EL 522).

B.26

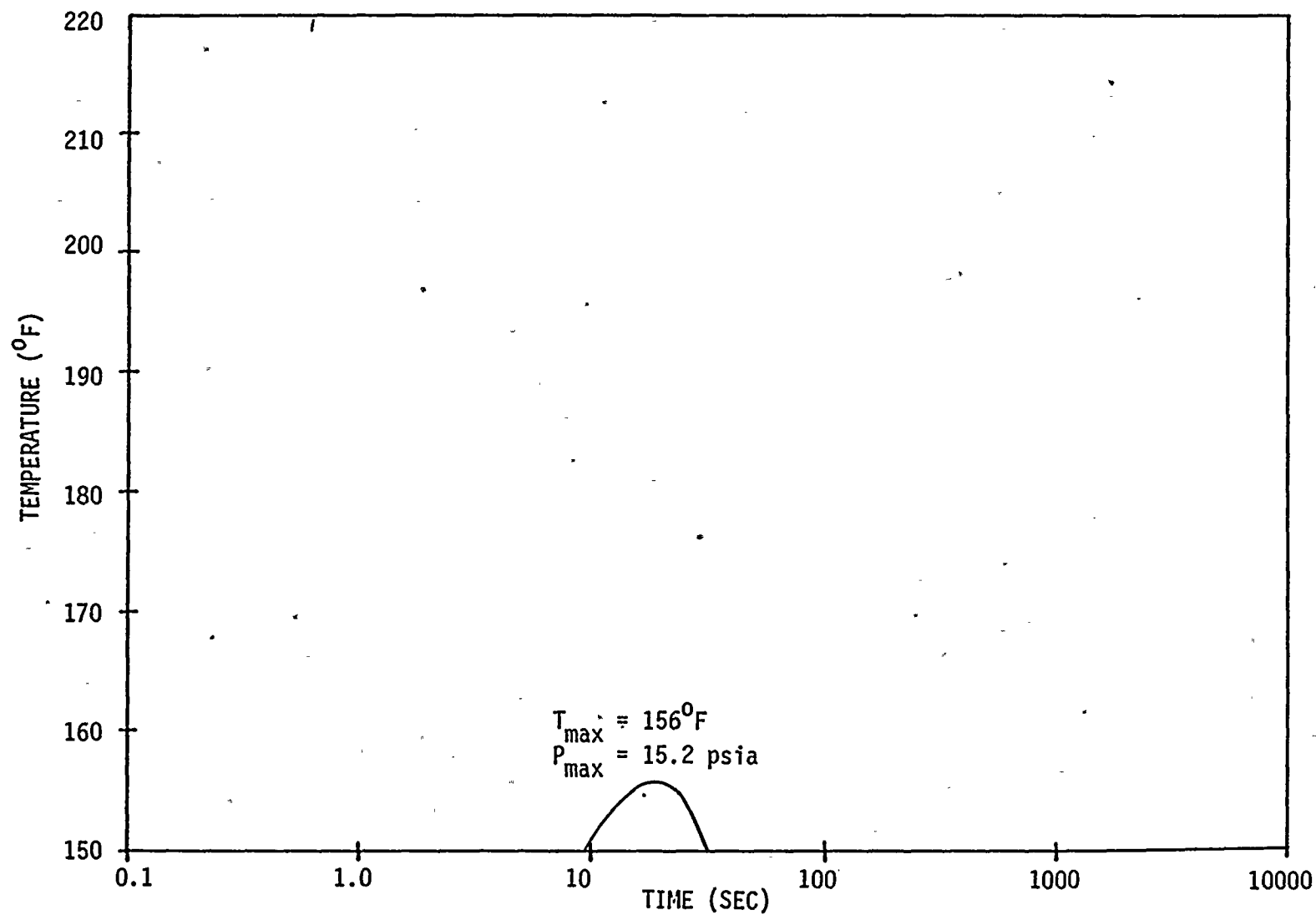


PROFILE 23. 6" RWCU LINE BREAK IN RWCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN RWCU HEAT EXCHANGER ROOM (EL 548).



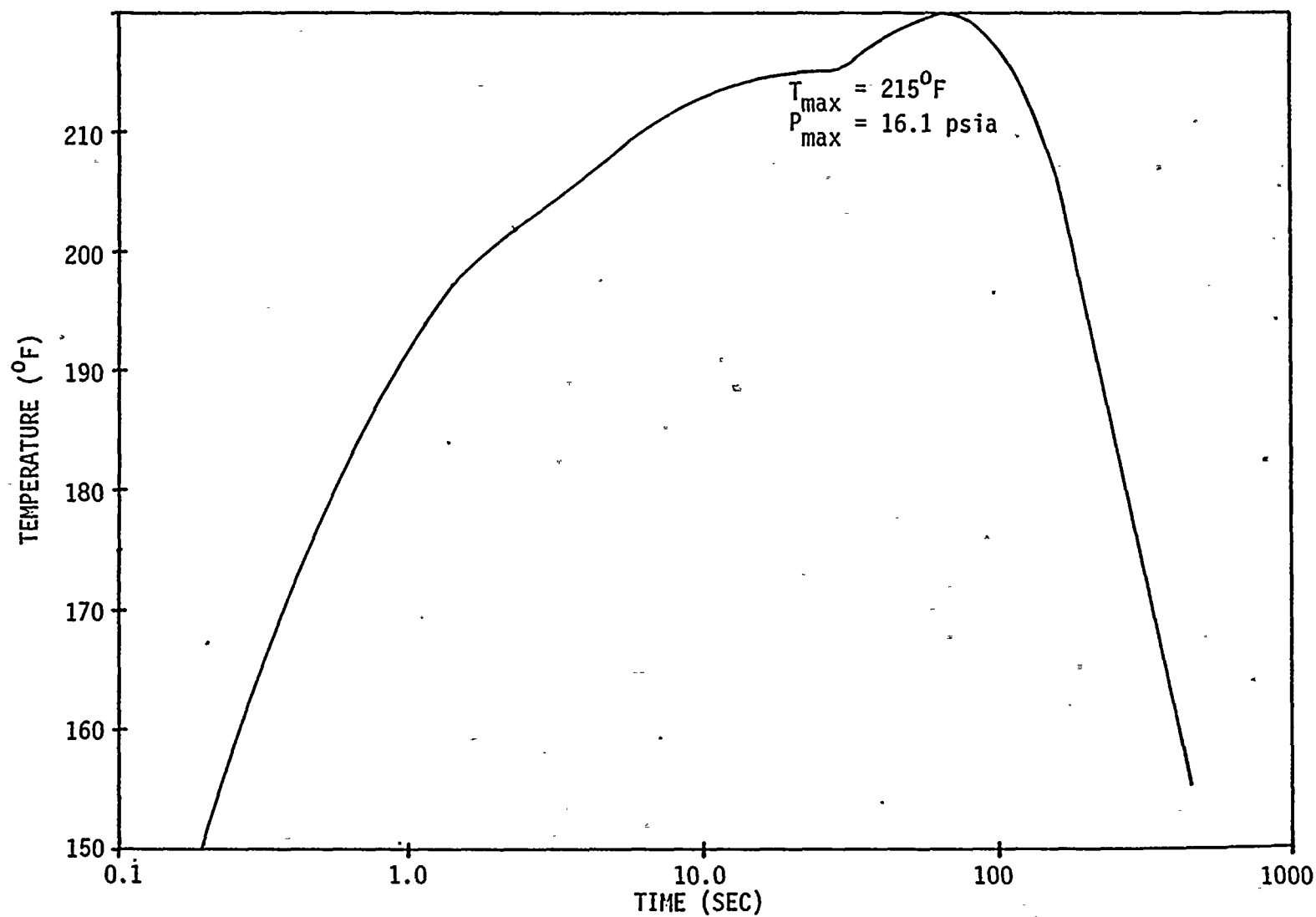
PROFILE 24. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN NE AREA OF EL 548.

B.28

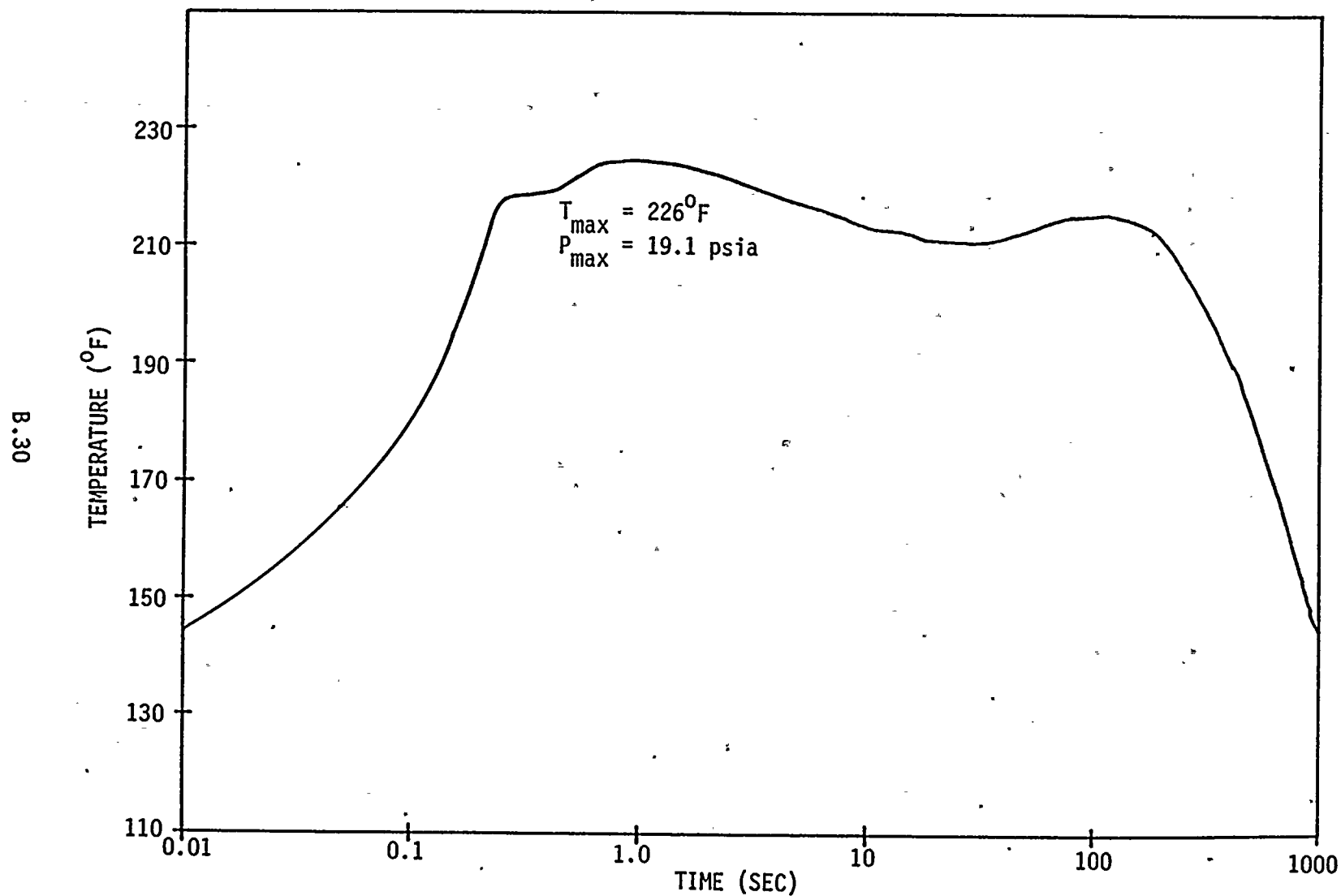


PROFILE 25. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN NW AREA OF EL 548.

B.29

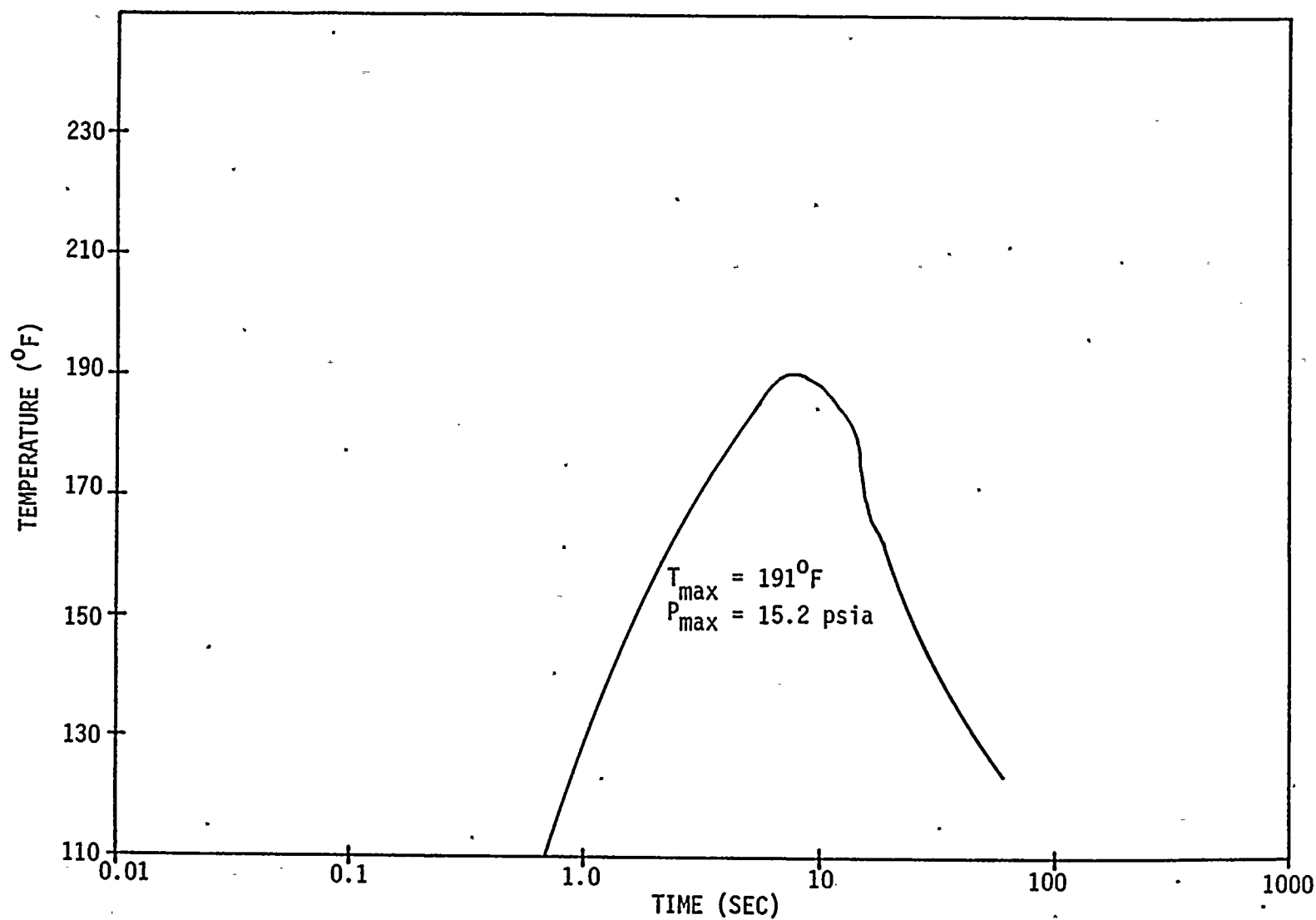


PROFILE 26. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).
RESPONSE IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).



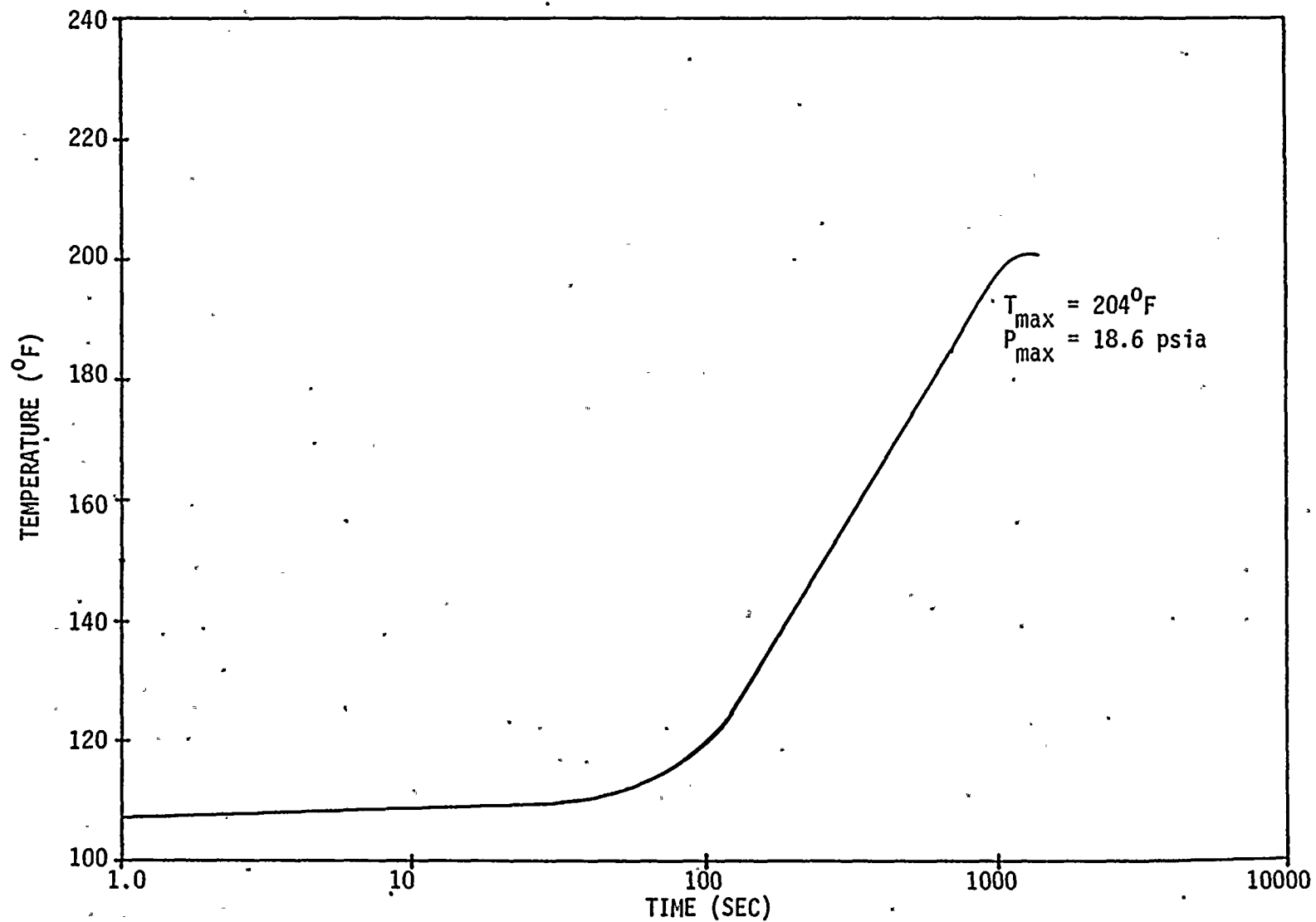
PROFILE 27. 6" RWCU LINE BREAK IN THE ROOM SOUTH OF CONTAINMENT (EL 548).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548).

B.31

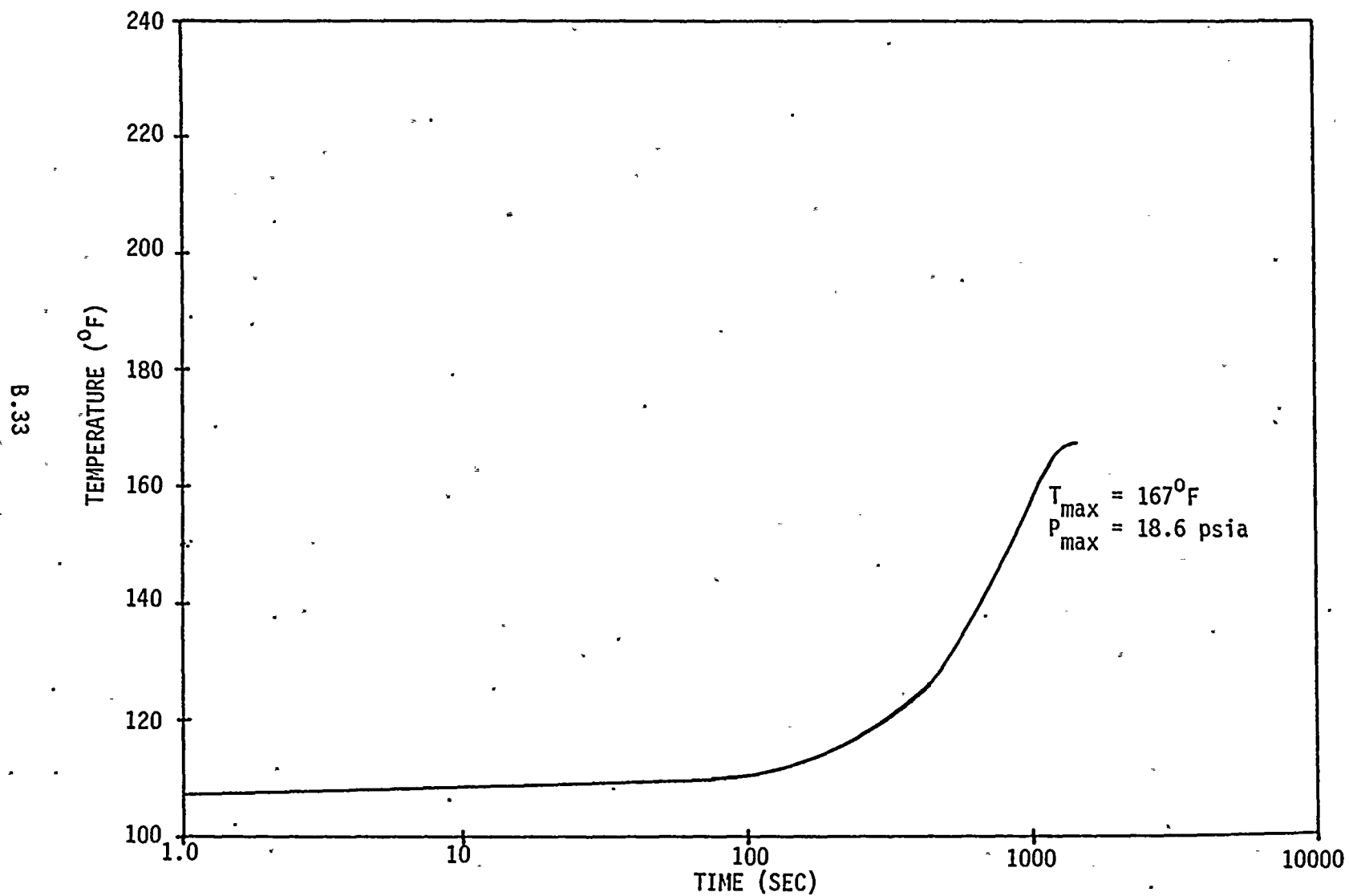


PROFILE 28. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).
RESPONSE IN SOUTHWEST AREA (EL 548).

B.32

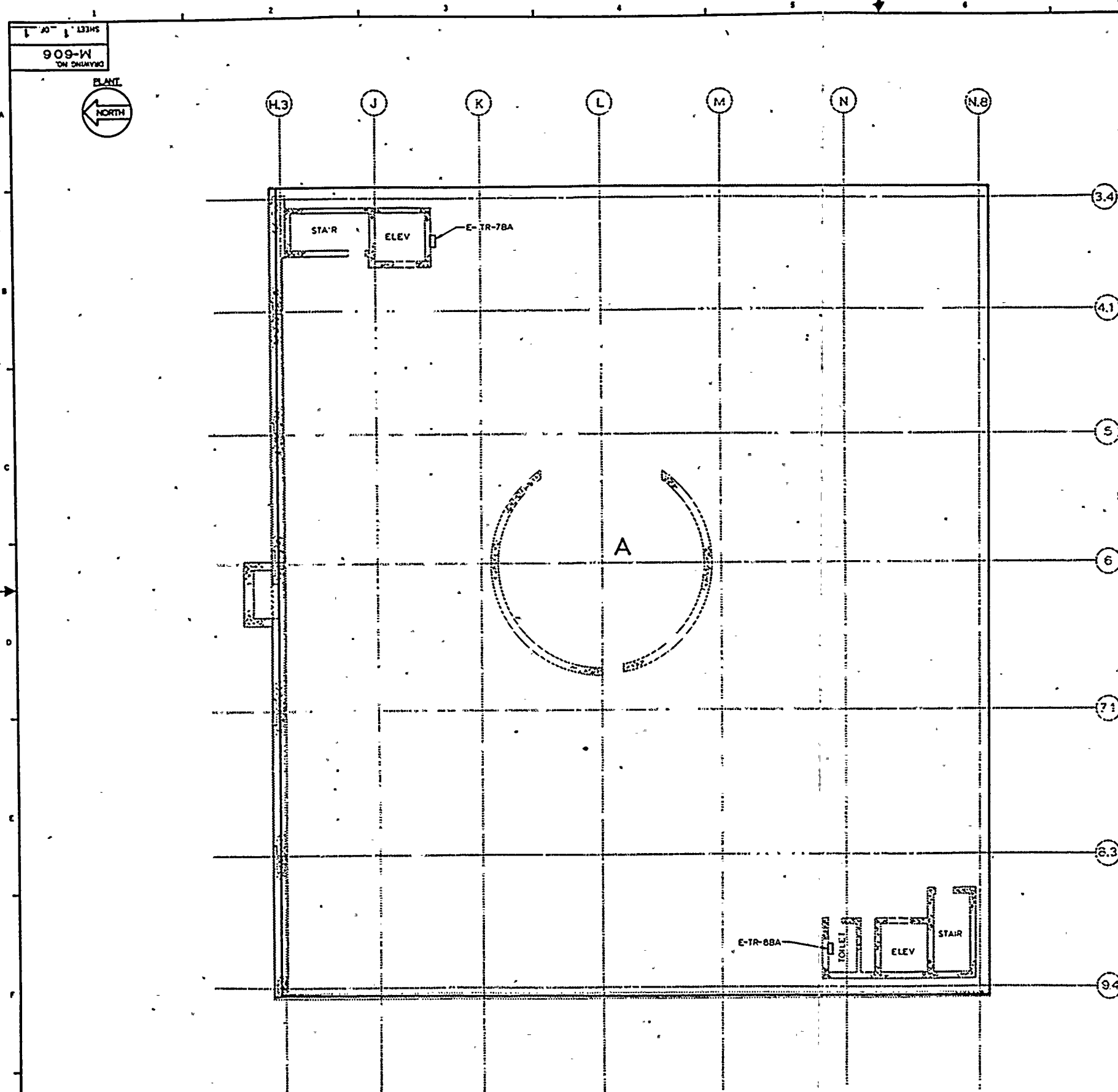


PROFILE 29. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572).
RESPONSE IN ALL OF FLOOR AREA (EL 572).



PROFILE 30. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572).
RESPONSE IN ALL OPEN FLOOR AREA (EL 548).





SAFETY RELATED EQUIPMENT - BY ZONES

ZONE A

•• 1.9x10⁴ rad.

CMS-RE-27D
 E-ELP-7BA
 E-ELP-8BA
 E-TR-7BA
 E-TR-8BA
 PPC-TE-7
 PPC-TE-8
 MT-CRA-2
 MT-CRA-9A
 MT-CRA-9B
 NSSE-CRA-3
 NSSE-EJ-1
 NSSE-EJ-2
 NSSE-EQ-10A
 NSSE-EQ-10B
 NSSE-EQ-11A
 NSSE-EQ-11B
 NSSE-EQ-11C
 NSSE-EQ-11D
 NSSE-EQ-11E
 NSSE-EQ-11F
 NSSE-EQ-11G
 NSSE-EQ-11H
 NSSE-EQ-14
 NSSE-EQ-15
 NSSE-EQ-18
 NSSE-EQ-1A
 NSSE-EQ-1B
 NSSE-EQ-2
 NSSE-EQ-22
 NSSE-EQ-23A
 NSSE-EQ-23B
 NSSE-EQ-23C
 NSSE-EQ-23D
 NSSE-EQ-8
 REA-RE-19

NOTES:

- ARE IDENTIFIED IN GENERAL NOTE 4 ON DRAWING M-422 SHEET 1
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 606'-10¹/₂'

RADIATION ZONE MAP
 REACTOR BUILDING EL. 606'-10¹/₂'
 WASHINGTON PUBLIC POWER
 SUPPLY SYSTEM

SCALE 1/8"=1'-0"	
JOB NO. 1140-001	
DRAWING NO.	2
M-606	
SHEET 1 OF 1	

ZONE N CONT.

SGT-EHC-1B1	SGT-TS-6B1	SGT-V-66B	SGT-V-2A	SGT-M-V5B2
SGT-EHC-1B2	SGT-TS-7B1	SGT-V-67B	SGT-V-2B+	SGT-MO-5B2
SGT-ESH-1B	SGT-TS-8B1	SGT-V-68B	SGT-AO-2B	SGT-V-5B2
SGT-ESH-2B	SGT-TS-EH1B10	SGT-V-69B	SGT-LMS-2B	
SGT-FL-1B	SGT-TS-EH1B11	SGT-V-704B	SGT-M-V2B	
SGT-FS-2B1	SGT-TS-EH1B111	SGT-V-705B	SGT-SPV-2B	
SGT-FS-2B2	SGT-TS-EH1B112	SGT-V-706B	SGT-V-2B	
SGT-HF-1B1	SGT-TS-EH1B113	SGT-V-707B	SGT-V-3A1+	
SGT-HF-1B2	SGT-TS-EH1B114	SGT-V-708B	SGT-M-V3A1	
SGT-MC-6B	SGT-TS-EH1B115	SGT-V-709B	SGT-MO-3A1	
SGT-MC-7B	SGT-TS-EH1B116	SGT-V-70B	SGT-V-3A1	
SGT-ME-16B	SGT-TS-EH1B117	SGT-V-710B	SGT-V-3A2+	
SGT-ME-17B	SGT-TS-EH1B118	SGT-V-711B	SGT-M-V3A2	
SGT-ME-3B	SGT-TS-EH1B13	SGT-V-712B	* SGT-MO-3A2	
SGT-ME-4B	SGT-TS-EH1B14	SGT-V-713B	• 9.4×10^6 rad.	
SGT-ME-5B	SGT-TS-EH1B15	SGT-V-714B		
SGT-ME-6B	SGT-TS-EH1B16	SGT-V-715B	SGT-V-3A2	
SGT-ME-7B	SGT-TS-EH1B17	SGT-V-71B	SGT-V-3B1+	
SGT-MS-1B	SGT-TS-EH1B17	SGT-V-725	SGT-M-V3B1	
SGT-PP-ESH/1B+	SGT-TS-EH1B18	SGT-PP-ESH/1A+	SGT-MO-3B1	
SGT-PP-ESH/2B+	SGT-TS-EH1B19	SGT-RLY-ESH1A11	SGT-V-3B1	
SGT-TC-1B1	SGT-TS-EH1B21	SGT-RLY-ESH1A12	SGT-V-3B2+	
SGT-TC-1B2	SGT-TS-EH1B210	SGT-RLY-ESH1A13	SGT-M-V3B2	
SGT-TC-2B1	SGT-TS-EH1B211	SGT-RLY-ESH1A14	SGT-MO-3B2	
SGT-TC-2B2	SGT-TS-EH1B212	SGT-RMS-ESH1A	SGT-V-3B2	
SGT-TE-1B	SGT-TS-EH1B213	SGT-RMS-ESH1A1	SGT-V-4A1+	
SGT-TE-1B1	SGT-TS-EH1B214	SGT-RMS-ESH1A2	SGT-M-V4A1	
SGT-TE-1B2	SGT-TS-EH1B215	SGT-PP-ESH/1B+	SGT-MO-4A1	
SGT-TE-2B1	SGT-TS-EH1B216	SGT-RMS-ESH1B	SGT-V-4A1	
SGT-TE-2B2	SGT-TS-EH1B217	SGT-RMS-ESH1B1	SGT-V-4A2+	
SGT-TE-6B	SGT-TS-EH1B218	SGT-RMS-ESH1B2	SGT-M-V4A2	
SGT-TE-6B1	SGT-TS-EH1B22	SGT-PP-ESH/2A+	SGT-MO-4A2	
SGT-TE-7B	SGT-TS-EH1B23	SGT-RMS-ESH2A	SGT-V-4A2	
SGT-TE-7B1	SGT-TS-EH1B24	SGT-RMS-ESH2A1	SGT-V-4B1+	
SGT-TE-8B1	SGT-TS-EH1B25	SGT-RMS-ESH2A2	SGT-M-V4B1	
SGT-TI-10B	SGT-TS-EH1B26	SGT-PP-ESH/2B+	SGT-MO-4B1	
SGT-TI-8B	SGT-TS-EH1B27	SGT-RMS-ESH2B	SGT-V-4B1	
SGT-TI-9B	SGT-TS-EH1B28	SGT-RMS-ESH2B1	SGT-V-4B2+	
SGT-TS-1B1	SGT-TS-EH1B29	SGT-RMS-ESH2B2	SGT-M-V4B2	
SGT-TS-1B11	SGT-V-51B	SGT-V-1A+	SGT-MO-4B2	
SGT-TS-1B2	SGT-V-52B	SGT-M-V1A	SGT-V-4B2	
SGT-TS-1B21	SGT-V-53B	SGT-MO-1A	SGT-V-5A1+	
SGT-TS-1B3	SGT-V-54B	SGT-V-1A	SGT-M-V5A1	
SGT-TS-1B31	SGT-V-55B	SGT-V-1B+	SGT-MO-5A1	
SGT-TS-1B4	SGT-V-56B	SGT-M-V1B	SGT-V-5A1	
SGT-TS-1B41	SGT-V-57B	SGT-MO-1B	SGT-V-5A2+	
SGT-TS-2B1	SGT-V-58B	SGT-V-1B	SGT-M-V5A2	
SGT-TS-2B11	SGT-V-59B	SGT-V-2A+	SGT-MO-5A2	
SGT-TS-2B2	SGT-V-60B	* SGT-AO-2A	SGT-V-5A2	
SGT-TS-2B21	SGT-V-61B	• 2.0×10^6 rad.	SGT-V-5B1+	
SGT-TS-2B3	SGT-V-62B		SGT-M-V5B1	
SGT-TS-2B31	SGT-V-63B	SGT-LMS-2A	SGT-MO-5B1	
SGT-TS-2B4	SGT-V-64B	SGT-M-V2A	SGT-V-5B1	
SGT-TS-2B41	SGT-V-65B	SGT-SPV-2A	SGT-V-5B2+	

COMPONENT EQUIPMENT LIST FOR
 COMPOSITE EQUIPMENT SHOWN ON
 RADIATION ZONE MAP
 REACTOR BUILDING EL.572'-0"
 WASHINGTON PUBLIC POWER
 SUPPLY SYSTEM

SCALE	NONE
JOB NO.	1140-001
DRAWING NO.	0
SHEET	4 OF 4



FPC-LIS-1A
FPC-LIS-1B
FPC-LIS-2A
FPC-LIS-2B
FPC-LIS-3A1
FPC-LIS-3A2
FPC-LIS-3B1
FPC-LIS-3B2
REA-DPT-1A1
REA-DPT-1B1

1. * & ● ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
2. SEE DRAWING M-572 SHEETS 2,3 & 4 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247

ZONE A
NONE

ZONE B

RCIC-V-64+
RCIC-LMS-64
RCIC-M-V64
RCIC-MO-64
RCIC-V-64
RHR-V-16A+
RHR-M-V16A
RHR-MO-16A
RHR-V-16A
RHR-V-17A+
RHR-M-V17A
RHR-MO-17A
RHR-V-17A

ZONE C

E-IR-P011+
SLC-PIC-4
SLC-LI-1
SLC-LT-1
SLC-RMS-S3

ROA-AD-15+
ROA-AD-15
ROA-AO-AD15
ROA-LMS-15
ROA-SPV-15

ROA-AD-17+
ROA-AD-17
ROA-AO-AD17
ROA-LMS-17
ROA-SPV-17

SLC-P-1A+
SLC-M-1A
SLC-P-1A
SLC-RV-29A

SLC-P-1B+
SLC-M-1B
SLC-P-1B
SLC-RV-29B

SLC-TK-1+
SLC-EHC-2
SLC-EHC-3
SLC-TE-6
SLC-TIC-2
SLC-TK-1
SLC-TS-3

SLC-TK-2+
SLC-TK-2
SLC-V-1A+
SLC-LMS-1A
SLC-M-V1A
SLC-MO-1A
SLC-V-1A
SLC-V-1B+
SLC-LMS-1B
SLC-M-V1B
SLC-MO-1B
SLC-V-1B

ZONE D
NONE

ZONE E

RRA-PC-15+
RRA-CC-15
RRA-PC-15
RRA-FN-15
RRA-M-15
S-SR-13+
CMS-AY-1
S-SR-15+
S-SR-20+
CMS-RE-12A

ZONE F

RRA-PC-17+
RRA-CC-17
RRA-FC-17
RRA-FN-17
RRA-M-17
S-SR-14+
CMS-AY-2
S-SR-21+
CMS-RE-12B

ZONE G

E-IR-67+
CAC-FT-1A
CAC-FT-2A
CEP-SPV-1A
CEP-SPV-1B
CIA-PROG-1A
CIA-PS-21A
CIA-PS-22A

CIA-PT-21A
CIA-RLY-21A
CIA-TDS-1A
CIA-TDS-39A
CMS-PT-1
CMS-PT-5
RCIC-SPV-65
ROA-RLY-CR1A

ZONE H

CAC-FCV-2B+
CAC-EHO-2B/PCV
CAC-FCV-2B
CAC-LMS-2B/PCV
CAC-M-2B/PCV
CAC-V-11+
CAC-LMS-11
CAC-M-V11
CAC-MO-11
RCIC-V-13+
RCIC-LMS-13
RCIC-M-V13
RCIC-MO-13
RCIC-V-13

RCIC-V-65+
RCIC-AMP-65
RCIC-AO-65
RCIC-LMS-65
RCIC-V-65
RHR-V-23+
RHR-M-V23
RHR-MO-23
RHR-V-23

ZONE I
NONE

ZONE J

RHR-HX-1B+
RHR-HX-1B
RHR-LT-8B
RHR-V-710B
RHR-V-711B
RHR-V-115+
RHR-M-V115
RHR-MO-94
RHR-V-115
RHR-V-116+
RHR-M-V116
RHR-MO-93

RHR-V-116
RHR-V-3B+
RHR-M-V3B
RHR-MO-3B
RHR-V-3B
RHR-V-40+
RHR-M-V40+
RHR-MO-40
RHR-V-40
RHR-V-48B+
RHR-M-V48B
RHR-MO-48B
RHR-V-48B
RHR-V-49+
RHR-M-V49
RHR-MO-49
RHR-V-49
RHR-V-68B+
RHR-M-V68B
RHR-MO-68B
RHR-V-68B
RHR-V-89+
RHR-AO-89
RHR-LMS-89
RHR-V-89

ZONE K

CAC-FCV-2A+
CAC-EHO-2A/PCV
CAC-PCV-2A
CAC-LMS-2A/PCV
CAC-M-2A/PCV
CAC-V-2+
CAC-LMS-2
CAC-M-V2
CAC-MO-2
CAC-V-2
ROA-AD-19+
ROA-AD-19
ROA-LMS-19
ROA-M-AD19

ZONE L

FPC-P-1A+
FPC-M-1A
FPC-P-1A
FPC-P-1B+
FPC-M-1B
FPC-P-1B
FPC-V-113+
FPC-AO-113
FPC-V-113

FPC-V-181A+
FPC-M-V181A
FPC-MO-181A
FPC-V-181A
FPC-V-181B+
FPC-M-V181B
FPC-MO-181B
FPC-V-181B
RCC-V-129+
RCC-LMS-V129
RCC-M-V129
RCC-MO-129
RCC-V-129
RCC-V-130+
RCC-LMS-V130
RCC-M-V130
RCC-MO-130
RCC-V-130
RCC-V-131+
RCC-LMS-V131
RCC-M-V131
RCC-MO-131
RCC-V-131
RHR-V-134B+
RHR-M-V134B
RHR-MO-134B
RHR-V-134B
RRA-FC-19+
RRA-CC-19
RRA-FC-19
RRA-FN-19
RRA-M-19
RRA-FC-20+
RRA-CC-20
RRA-FC-20
RRA-FN-20
RRA-M-20

SW-V-187A+
SW-M-V187A
SW-MO-187A
SW-V-187A
SW-V-187B+
SW-M-V187B
SW-MO-187B
SW-V-187B
SW-V-188A+
SW-M-V188A
SW-MO-188A
SW-V-188A
SW-V-188B+
SW-M-V188B
SW-MO-188B
SW-V-188B

ZONE M

FPC-V-175+
FPC-M-V175
FPC-MO-175
FPC-V-175
RHR-V-134A+
RHR-M-V134A
RHR-MO-134A
RHR-V-134A

ZONE N

RHR-HX-1A+
RHR-HX-1A
RHR-LT-8A
RHR-V-710A
RHR-V-711A
RHR-V-3A+
RHR-M-V3A
RHR-MO-3A
RHR-V-3A
RHR-V-48A+
RHR-M-V48A
RHR-MO-48A
RHR-V-48A
RHR-V-68A+
RHR-M-V68A
RHR-MO-68A
RHR-V-68A

ZONE O
NONE

ZONE P

E-IR-68+
CAC-FT-1B
CAC-FT-2B
CEP-SPV-2A
CEP-SPV-2B
CIA-PROG-1B
CIA-PS-21B
CIA-PS-22B
CIA-PT-21B
CIA-RLY-21B
CIA-TDS-1B
CIA-TDS-39B
CMS-PT-2
CMS-PT-2R
CMS-PT-6
CMS-PT-6R
REA-RLY-CR2

REA-SPV-2

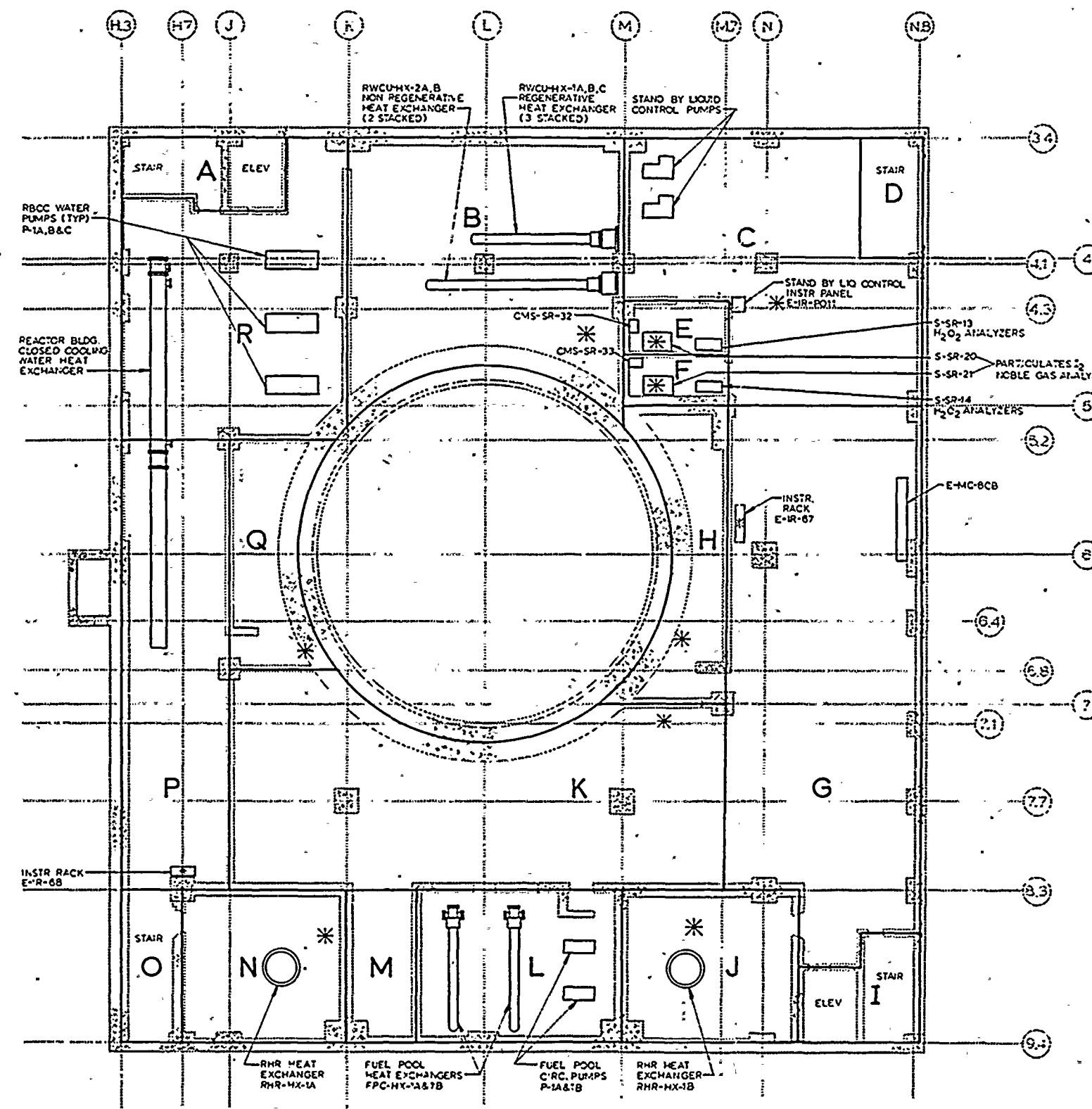
ZONE Q

CAC-PCV-1B+
CAC-EHO-1B/PCV
CAC-FCV-1B
CAC-LMS-1B/PCV
CAC-M-1B/PCV
CAC-V-15+
CAC-LMS-15
CAC-M-V15
CAC-MO-15
CAC-V-15
CEP-V-1A+
CEP-AO-1A
CEP-LMS-1A
CEP-V-1A
CEP-V-1B+
CEP-AO-1B
CEP-LMS-1B
CEP-V-1B
CEP-V-2A+
CEP-AO-2A
CEP-LMS-2A
CEP-V-2A
CEP-V-2B+
CEP-AO-2B
CEP-LMS-2B
CEP-V-2B

ZONE R
NONE

COMPONENT EQUIPMENT LIST FOR
COMPOSITE EQUIPMENT SHOWN ON
RADIATION ZONE MAP
REACTOR BUILDING EL. 548'-0"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE	NONE
JOB NO.	1140-001
DRAWING NO.	M-548
REV.	0
SHEET	2 of 2



SAFETY RELATED EQUIPMENT -BY ZONES

ZONE A NONE	ZONE F • S-SR-21+ • 1.7x10 ⁴ rad.	RHR-CE-1B RHR-SPV-89 RHR-SV-60A RHR-SV-75B RHR-TE-5B	FPC-V-175+ RHR-V-134A+
ZONE B • RCIC-MO-64 • 3.4x10 ⁶ rad.	RRA-FC-17+ S-SR-14+ S-SR-21+	ZONE K • CAC-EHO-2A/FCV • 1.0x10 ⁵ rad.	ZONE N • RHR-MO-3A • 2.1x10 ⁶ rad.
RCIC-V-64+ RHR-V-16A+ RHR-V-17A+	ZONE G • E-IR-67+ • 3.6x10 ³ rad.	CAC-FCV-2A+ CAC-V-2+ ROA-AD-19+	RHR-HX-1A+ RHR-V-3A+ RHR-V-48A+ RHR-V-68A+
LD-TE-1E LD-TE-1F LD-TE-2E LD-TE-2F LD-TE-3E LD-TE-3F RCIC-LS-6	E-IR-67+	RHR-TE-27A RHR-TE-27B	RCIC-LS-4 RHR-CE-1A RHR-SV-60B RHR-SV-75A RHR-TE-5A
ZONE C • ROA-AD-15 • 9.9x10 ³ rad.	ZONE H • CAC-EHO-2B/FCV • 1.6x10 ⁶ rad.	ZONE L • RHR-MO-134B • 1.5x10 ⁵ rad.	ZONE O NONE
E-IR-P011+ ROA-AD-15+ ROA-AD-17+ SLC-P-1A+ SLC-P-1B+ SLC-TK-1+ SLC-TK-2+ SLC-V-1A+ SLC-V-1B+	CAC-FCV-2B+ CAC-V-11+ RCIC-V-13+ RCIC-V-65+ RHR-V-23+	FPC-P-1A+ FPC-P-1B+ FPC-V-113+ FPC-V-181A+ FPC-V-181B+ RCC-V-129+ RCC-V-130+ RCC-V-131+ RHR-V-134B+ RRA-FC-19+ RRA-FC-20+ SW-V-187A+ SW-V-187B+ SW-V-188A+ SW-V-188B+	ZONE P • E-IR-68+ • 8.5x10 ⁴ rad.
SLC-PI-3 SLC-PT-4 SLC-V-4A SLC-V-4B	RCIC-SPV-19B RHR-PE-12 RHR-PE-14B RHR-PT-13	ZONE Q • CAC-EHO-1B/FCV • 8.7x10 ⁵ rad.	E-IR-68+
ZONE D NONE	ZONE I NONE	ZONE R NONE	
ZONE E • S-SR-20+ • 9.0x10 ³ rad.	ZONE J • RHR-MO-49 • 3.1x10 ⁶ rad.	CAC-FCV-1B+ CAC-V-15+ CEP-V-1A+ CEP-V-1B+ CEP-V-2A+ CEP-V-2B+	
RRA-FC-15+ S-SR-13+ S-SR-20+	RHR-HX-1B+ RHR-V-115+ RHR-V-116+ RHR-V-3B+ RHR-V-40+ RHR-V-48B+ RHR-V-49+ RHR-V-68B+ RHR-V-89+	FPC-HX-1A FPC-HX-1B FPC-RV-117A FPC-RV-117B RCC-RV-34A RCC-RV-34B RCC-TS-10A RCC-TS-10B RHR-SV-182	RHR-PE-14A
	ZONE M • RHR-MO-134A • 4.4x10 ⁴ rad.		

NOTES:

- * & • ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-548 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 548'-0"

RADIATION ZONE MAP
REACTOR BUILDING EL. 548'-0"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE: 1/8"=1'-0"	
XOB NO: 1140-001	
DRAWING NO.	REV
M-548	3
SHEET 1 OF 2	

ZONE B

CRD-HCU-3031
 CRD-HCU-3035
 CRD-HCU-3039
 CRD-HCU-3043
 CRD-HCU-3047
 CRD-HCU-3051
 CRD-HCU-3055
 CRD-HCU-3059
 CRD-HCU-3403
 CRD-HCU-3407
 CRD-HCU-3411
 CRD-HCU-3415
 CRD-HCU-3419
 CRD-HCU-3423
 CRD-HCU-3427
 CRD-HCU-3431
 CRD-HCU-3435
 CRD-HCU-3439
 CRD-HCU-3443
 CRD-HCU-3447
 CRD-HCU-3451
 CRD-HCU-3455
 CRD-HCU-3459
 CRD-HCU-3803
 CRD-HCU-3807
 CRD-HCU-3811
 CRD-HCU-3915
 CRD-HCU-3819
 CRD-HCU-3823
 CRD-HCU-3827
 CRD-HCU-3831
 CRD-HCU-3835
 CRD-HCU-3839
 CRD-HCU-3843
 CRD-HCU-3847
 CRD-HCU-3851
 CRD-HCU-3855
 CRD-HCU-3859
 CRD-HCU-4203
 CRD-HCU-4207
 CRD-HCU-4211
 CRD-HCU-4215
 CRD-HCU-4219
 CRD-HCU-4223
 CRD-HCU-4227
 CRD-HCU-4231
 CRD-HCU-4235
 CRD-HCU-4239
 CRD-HCU-4243
 CRD-HCU-4247
 CRD-HCU-4251
 CRD-HCU-4255
 CRD-HCU-4259
 CRD-HCU-4607

CRD-HCU-4611
 CRD-HCU-4615
 CRD-HCU-4619
 CRD-HCU-4623
 CRD-HCU-4627
 CRD-HCU-4631
 CRD-HCU-4635
 CRD-HCU-4639
 CRD-HCU-4643
 CRD-HCU-4647
 CRD-HCU-4651
 CRD-HCU-4655
 CRD-HCU-5011
 CRD-HCU-5015
 CRD-HCU-5019
 CRD-HCU-5023
 CRD-HCU-5027
 CRD-HCU-5031
 CRD-HCU-5035
 CRD-HCU-5039
 CRD-HCU-5043
 CRD-HCU-5047
 CRD-HCU-5051
 CRD-HCU-5415
 CRD-HCU-5419
 CRD-HCU-5423
 CRD-HCU-5427
 CRD-HCU-5431
 CRD-HCU-5435
 CRD-HCU-5439
 CRD-HCU-5443
 CRD-HCU-5447
 CRD-HCU-5819
 CRD-HCU-5823
 CRD-HCU-5827
 CRD-HCU-5831
 CRD-HCU-5835
 CRD-HCU-5839
 CRD-HCU-5843

ZONE J

CRD-HCU-0219
 CRD-HCU-0223
 CRD-HCU-0227
 CRD-HCU-0231
 CRD-HCU-0235
 CRD-HCU-0239
 CRD-HCU-0243
 CRD-HCU-0615
 CRD-HCU-0619
 CRD-HCU-0623
 CRD-HCU-0627
 CRD-HCU-0631

CRD-HCU-0635
 CRD-HCU-0639
 CRD-HCU-0643
 CRD-HCU-0647
 CRD-HCU-1011
 CRD-HCU-1015
 CRD-HCU-1019
 CRD-HCU-1023
 CRD-HCU-1027
 CRD-HCU-1031
 CRD-HCU-1035
 CRD-HCU-1039
 CRD-HCU-1043
 CRD-HCU-1047
 CRD-HCU-1051
 CRD-HCU-1407
 CRD-HCU-1411
 CRD-HCU-1415
 CRD-HCU-1419
 CRD-HCU-1423
 CRD-HCU-1427
 CRD-HCU-1431
 CRD-HCU-1435
 CRD-HCU-1439
 CRD-HCU-1443
 CRD-HCU-1447
 CRD-HCU-1451
 CRD-HCU-1455
 CRD-HCU-1803
 CRD-HCU-1807
 CRD-HCU-1811
 CRD-HCU-1815
 CRD-HCU-1819
 CRD-HCU-1823
 CRD-HCU-1827
 CRD-HCU-1831
 CRD-HCU-1835
 CRD-HCU-1839
 CRD-HCU-1843
 CRD-HCU-1847
 CRD-HCU-1851
 CRD-HCU-1855
 CRD-HCU-1859
 CRD-HCU-2203
 CRD-HCU-2207
 CRD-HCU-2211
 CRD-HCU-2215
 CRD-HCU-2219
 CRD-HCU-2223
 CRD-HCU-2227
 CRD-HCU-2231
 CRD-HCU-2235
 CRD-HCU-2239
 CRD-HCU-2243
 CRD-HCU-2247

CRD-HCU-2251
 CRD-HCU-2255
 CRD-HCU-2259
 CRD-HCU-2603
 CRD-HCU-2607
 CRD-HCU-2611
 CRD-HCU-2615
 CRD-HCU-2619
 CRD-HCU-2623
 CRD-HCU-2627
 CRD-HCU-2631
 CRD-HCU-2635
 CRD-HCU-2639
 CRD-HCU-2643
 CRD-HCU-2647
 CRD-HCU-2651
 CRD-HCU-2655
 CRD-HCU-2659
 CRD-HCU-3003
 CRD-HCU-3007
 CRD-HCU-3011
 CRD-HCU-3015
 CRD-HCU-3019
 CRD-HCU-3023
 CRD-HCU-3027

**CRD-HCU
GENERIC COMPONENT
LIST**

CRD-AO-126/xxxx
 CRD-AO-127/xxxx
 CRD-F-134/xxxx
 CRD-F-135/xxxx
 CRD-F-136/xxxx
 CRD-LS-129/xxxx
 CRD-PI-131/xxxx
 CRD-POS-126xxxx
 CRD-POS-127xxxx
 CRD-PS-130/xxxx
 CRD-RD-132/xxxx
 CRD-SPV-117xxxx
 CRD-SPV-118xxxx
 CRD-SV-120/xxxx
 CRD-SV-121/xxxx
 CRD-SV-122/xxxx
 CRD-SV-123/xxxx
 CRD-TK-125/xxxx
 CRD-TK-128/xxxx
 CRD-V-101/xxxx
 CRD-V-102/xxxx
 CRD-V-103/xxxx
 CRD-V-104/xxxx
 CRD-V-105/xxxx
 CRD-V-107/xxxx
 CRD-V-111/xxxx
 CRD-V-112/xxxx
 CRD-V-113/xxxx
 CRD-V-114/xxxx
 CRD-V-115/xxxx
 CRD-V-116/xxxx
 CRD-V-126/xxxx
 CRD-V-127/xxxx
 CRD-V-137/xxxx
 CRD-V-138/xxxx

LISTING OF CRD-HCU-XXXX & CRD-HCU GENERIC COMPONENTS RADIATION ZONE MAP REACTOR BUILDING EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE	
		JOB NO: 1140-001	
		DRAWING NO.	REV.
		M-522	0
SHEET 4 OF 4			

ZONE J CON'T

HY-V-B2/11
HY-V-B2/12
HY-V-B2/13
HY-V-B2/14
HY-V-B2/16
HY-V-B2/17
HY-V-B2/35
HY-V-B2/6
HY-V-B2/7
HY-V-B2/8
HY-V-B2/9
HY-V-17B+
HY-POS-V17B
HY-V-18B+
HY-POS-V18B
HY-V-19B+
HY-POS-V19B
HY-V-20B+
HY-POS-V20B

ZONE K

CIA-V-20+
CIA-LMS-20
CIA-M-V20
CIA-MO-20
CIA-V-20
E-IR-71+
CIA-PS-39A
CIA-PT-20
FPC-PI-6AG
FPC-PS-6A
FPC-PS-9A
FPC-RMS-PIA
RCIC-SPV-66
REA-RLY-CR1
REA-SPV-1
RHR-I/P-1A
RHR-I/P-3A
RHR-SPV-51A
RHR-SPV-65A

E-IR-74+
CIA-PS-39B
MSLC-PI-2
MSLC-PS-20
MSLC-PS-24
MSLC-PS-25
MSLC-PS-60
MSLC-PT-23
MSLC-RLY-CR/1

MSLC-RLY-CR/3
MSLC-RLY-CR/4
MSLC-RLY-CR/5
MSLC-RLY-TK/2

E-IR-P004+
MS-LIS-24A
MS-LIS-31A
MS-LIS-31C
MS-LIS-31D
MS-LITS-26A
MS-PS-20A
MS-PS-23A
MS-PS-47A
MS-PS-47C
RPS-PS-2A
RPS-PS-4

ROA-AD-11+
ROA-AD-11
ROA-AO-AD11
ROA-LMS-11
ROA-SPV-11
RRC-SV-20+
RRC-POS-20
RRC-SV-20
S-SR-42+
SW-RE-4
SW-RT-1
SW-V-75A+
SW-M-V75A
SW-MO-75A
SW-V-75A

ZONE L
NONE

ZONE M
NONE

ZONE N

E-MC-7B+
E-42-7B/7CSPARE
E-42-CIA/CIA
E-42-CIA/V20

E-42-CIA/V30A
E-42-CRA/AD1A1
E-42-CRA/AD2A
E-42-CRA/FN1A1
E-42-CRA/FN1A2
E-42-CRA/FN2A1
E-42-CRA/FN2A2
E-42-CRA/FN3A
E-42-CRA/FN4A
E-42-CRA/FN5A
E-42-CRA/FN5C
E-42-ELP/7BB
E-42-LPCS/P2
E-42-RCIC/P3
E-42-RRR/FN11
E-42-RRR/FN12
E-42-RRR/FN2
E-42-RRR/FN5
E-42-SGTESH1A
E-42-SGTESH2A
E-42-SLC/PIA
E-42-SLC/V1A
E-42-SW/V24A
E-42-SW/V44
E-CB-MC7BA
E-CB-MC7BB
E-RLY-ARSTD2A1
E-RLY-CRAR1A2
E-RLY-CRAR2A1
E-RLY-CRAR2A2
E-RLY-CRARCAF4A
E-RLY-RCICP3
E-RLY-SLCPIA
E-RLY-SLCV1A
E-RLY-SWV44
E-TM-CRAFNI1A2
E-TRB-7B/TB2A
E-TRB-7B/TB3A
E-TRB-7B/TB3B
E-TRB-7B/TB3C
E-TRB-7B/TB4A
E-TRB-7B/TB4B
E-TRB-7B/TB4C
E-TRB-7B/TB5A
E-TRB-7B/TB5B
E-TRB-7B/TB5C
E-TRB-7B/TB6A
E-TRB-7B/TB6B
E-TRB-7B/TB6C
E-TRB-7B/TB7A
E-TRB-7B/TB7B
E-TRB-7B/TB7C
E-TRB-7B/TB8A
E-TRB-7B/TB8B
E-TRB-7B/TB8C

E-TRB-7B/TB8C
E-TRB-CIAV20
E-TRB-CIAV30A
E-TRB-CRAAD2A
E-TRB-CRAFNI1A1
E-TRB-CRAFNI1A2
E-TRB-CRAFNI2A1
E-TRB-CRAFNI2A2
E-TRB-CRAFNI3A
E-TRB-CRAFNI4A
E-TRB-CRAFNI5A
E-TRB-CRAFNI5C
E-TRB-LPCSP2
E-TRB-MC7BA
E-TRB-MC7BB
E-TRB-RCICP3
E-TRB-RRAFNI1
E-TRB-RRAFNI2
E-TRB-RRAFNI2
E-TRB-RRAFNI5
E-TRB-SLCPIA
E-TRB-SLCV1A
E-TRB-SWV24A
E-TRB-SWV44
E-MC-7BA+
E-42-FPC/V154
E-42-FPC/V156
E-42-FPC/V172
E-42-FPC/V181A
E-42-LPCS/PCV11
E-42-LPCS/V1
E-42-LPCS/V12
E-42-LPCS/V5
E-42-MS/V67A
E-42-MS/V67B
E-42-MS/V67C
E-42-MS/V67D
E-42-MSLC/EHCA
E-42-MSLC/EHCB
E-42-MSLC/EHCC
E-42-MSLC/EHCD
E-42-MSLC/FN1
E-42-MSLC/V1A
E-42-MSLC/V1B
E-42-MSLC/V1C
E-42-MSLC/V1D
E-42-MSLC/V2A
E-42-MSLC/V2B
E-42-MSLC/V2C
E-42-MSLC/V2D
E-42-MSLC/V3A
E-42-MSLC/V3B
E-42-MSLC/V3C
E-42-MSLC/V3D
E-42-RCC/V21

E-42-RCC/V40
E-42-RCC/V5
E-42-RHR/PCV64A
E-42-RHR/V11A
E-42-RHR/V124A
E-42-RHR/V124B
E-42-RHR/V134A
E-42-RHR/V24A
E-42-RHR/V26A
E-42-RHR/V27A
E-42-RHR/V42A
E-42-RHR/V4A
E-42-RHR/V53A
E-42-RHR/V53B
E-42-RHR/V6A
E-42-RRC/V16B
E-42-SW/V187A
E-42-SW/V75A
E-42-SW/V75B
E-RLY-LPCSFV11
E-RLY-LPCSV1
E-RLY-LPCSV12
E-RLY-LPCSV5
E-RLY-MSLCCHTRA
E-RLY-MSLCCHTRB
E-RLY-MSLCCHTRD
E-RLY-MSLCV1A
E-RLY-MSLCV1B
E-RLY-MSLCV1C
E-RLY-MSLCV1D
E-RLY-MSLCV2A
E-RLY-MSLCV2B
E-RLY-MSLCV2C
E-RLY-MSLCV2D
E-RLY-MSLCV3A
E-RLY-MSLCV3B
E-RLY-MSLCV3C
E-RLY-MSLCV3D
E-RLY-RHRV11A
E-RLY-RHRV24A
E-RLY-RHRV26A
E-RLY-RHRV27A
E-RLY-RHRV42A
E-RLY-RHRV4A
E-RLY-RHRV53A
E-RLY-RHRV53B
E-RLY-RHRV6A
E-TRB-7BA/TB10A
E-TRB-7BA/TB10B
E-TRB-7BA/TB10C
E-TRB-7BA/TB11A
E-TRB-7BA/TB11B
E-TRB-7BA/TB11C
E-TRB-7BA/TB12A

E-TRB-7BA/TB12B
E-TRB-7BA/TB12C
E-TRB-7BA/TB13A
E-TRB-7BA/TB13B
E-TRB-7BA/TB13C
E-TRB-7BA/TB4A
E-TRB-7BA/TB4B
E-TRB-7BA/TB4C
E-TRB-7BA/TB5A
E-TRB-7BA/TB5B
E-TRB-7BA/TB5C
E-TRB-7BA/TB6A
E-TRB-7BA/TB6B
E-TRB-7BA/TB6C
E-TRB-7BA/TB7A
E-TRB-7BA/TB7B
E-TRB-7BA/TB7C
E-TRB-7BA/TB8A
E-TRB-7BA/TB8B
E-TRB-7BA/TB8C
E-TRB-7BA/TB9A
E-TRB-7BA/TB9B
E-TRB-7BA/TB9C
E-TRB-FPCV154
E-TRB-FPCV156
E-TRB-FPCV172
E-TRB-FPCV181A
E-TRB-LPCSFV11
E-TRB-MSLCFN1
E-TRB-MSLCCHTRA
E-TRB-MSLCCHTRB
E-TRB-MSLCCHTRD
E-TRB-MSLCV1A
E-TRB-MSLCV1B
E-TRB-MSLCV1C
E-TRB-MSLCV1D
E-TRB-MSLCV2A
E-TRB-MSLCV2B
E-TRB-MSLCV2C
E-TRB-MSLCV2D
E-TRB-MSLCV3A
E-TRB-MSLCV3B
E-TRB-MSLCV3C
E-TRB-MSLCV3D
E-TRB-MSV67C
E-TRB-MSV67D
E-TRB-RCCV21
E-TRB-RCCV5
E-TRB-RHRPCV64A
E-TRB-RHRV124A
E-TRB-RHRV124B
E-TRB-RHRV134A
E-TRB-RHRV24A
E-TRB-RHRV26A

E-TRB-RHRV27A
E-TRB-RHRV42A
E-TRB-RHRV53A
E-TRB-RHRV53B
E-TRB-RRCV16A
E-TRB-RRCV16B
E-TRB-SWV75A
RRA-FC-11+
RRA-CC-11
RRA-FC-11
RRA-FN-11
RRA-M-11

ZONE O

RHR-V-42A+
RHR-M-V42A
RHR-MO-42A
RHR-V-42A
RHR-V-42C+
RHR-M-V42C
RHR-MO-42C
RHR-V-42C

ZONE P

CIA-V-30A+
CIA-LMS-30A
CIA-M-V30A
CIA-MO-30A
CIA-V-30A
CRD-V-10+
CRD-AO-10
CRD-V-10
CRD-V-11+
CRD-AO-11
CRD-V-11
E-IR-73+
MSLC-PI-1
MSLC-PS-70A
MSLC-PS-70B
MSLC-PS-70C
MSLC-PS-70D
MSLC-PS-7A
MSLC-PS-7B
MSLC-PS-7C
MSLC-PS-7D
MSLC-PS-8A
MSLC-PS-8B
MSLC-PS-8C
MSLC-PS-8D
MSLC-PT-6A
MSLC-PT-6B

MSLC-PT-6C
MSLC-PT-6D
MSLC-RLY-CR/10
MSLC-RLY-CR/11
MSLC-RLY-CR/12
MSLC-RLY-CR/13
MSLC-RLY-CR/1A
MSLC-RLY-CR/1B
MSLC-RLY-CR/1C
MSLC-RLY-CR/1D
MSLC-RLY-CR/5A1
MSLC-RLY-CR/5A2
MSLC-RLY-CR/5B1
MSLC-RLY-CR/5B2
MSLC-RLY-CR/5C1
MSLC-RLY-CR/5C2
MSLC-RLY-CR/5D1
MSLC-RLY-CR/5D2
MSLC-RLY-CR/6A1
MSLC-RLY-CR/6A2
MSLC-RLY-CR/6B1
MSLC-RLY-CR/6B2
MSLC-RLY-CR/6C1
MSLC-RLY-CR/6C2
MSLC-RLY-CR/6D1
MSLC-RLY-CR/6D2
MSLC-RLY-CR/8
MSLC-RLY-CR/9
MSLC-RLY-TK/2A
MSLC-RLY-TK/2B
MSLC-RLY-TK/2C
MSLC-RLY-TK/2D
MSLC-RLY-TK/3A
MSLC-RLY-TK/3B
MSLC-RLY-TK/3C
MSLC-RLY-TK/3D
MSLC-RLY-TK/4A
MSLC-RLY-TK/4B
MSLC-RLY-TK/4C
MSLC-RLY-TK/4D

E-IR-P026+
MS-LIS-24D
MS-LIS-36A
MS-LIS-36B
MS-LIS-36C
MS-LIS-37A
MS-LIS-37C
MS-LIS-38A
MS-LITS-26D
MS-PI-4A
MS-PS-20D
MS-PS-23D

MS-PS-39A
MS-PS-39B
MS-PS-39C
MS-PS-39D
MS-PS-39E
MS-PS-39F
MS-PS-39G
MS-PS-39H
MS-PS-39I
MS-PS-39J
MS-PS-39K
MS-PS-39L
MS-PS-39M
MS-PS-39N
MS-PS-39P
MS-PS-39R
MS-PS-39S
MS-PS-39U
MS-PS-39V
MS-PS-45A
MS-PS-45B
MS-PS-46A
MS-PS-48C
MS-PT-51A
RPS-PS-2D

ZONE A
NONE

ZONE B
LPCS-V-5+
LPCS-M-V5
LPCS-MO-5
LPCS-V-5

ZONE C
CRD-PCV-2A+
CRD-AO-2A
CRD-FCV-2A
CRD-M/A-9A
CRD-FCV-2B+
CRD-AO-2B
CRD-PCV-2B
CRD-IR-1+
CRD-DPI-5
CRD-DPI-9
CRD-DPIS-2
CRD-DPT-11
CRD-DPT-8
CRD-FI-3
CRD-FI-4
CRD-PT-7
CRD-PT-9
CRD-PI-10
CRD-PI-6
CRD-PI-7

CRD-IR-2+
CRD-FI-19
CRD-PT-4
CRD-PI-15
CRD-PI-16
CRD-PI-8
CRD-PT-5
CRD-IR-3+
CRD-E/P-001
CRD-PI-12
CRD-PI-13
CRD-PT-52
CRD-SPV-110A
CRD-SPV-110B
CRD-SPV-9
CRD-V-38

CRD-V-39
CRD-V-728
CRD-V-729
CRD-V-77
CRD-V-89
CRD-V-94
CRD-V-95
CRD-V-3+
CRD-M-V3
CRD-MO-3
CRD-V-3
E-IR-P002+
RWCU-PT-36
RWCU-PT-41
E-IR-P005+
MS-LIS-24C
MS-LIS-31B
MS-LITS-26C
MS-PS-20C
MS-PS-23C
MS-PS-47B
MS-PS-47D
RPS-PS-2C

HY-HP-3A+
HY-F-A1/21
HY-F-A1/23
HY-F-A1/37
HY-F-A2/21
HY-F-A2/37
HY-FCN-A1/30
HY-FCN-A2/30
HY-M-HP3A1
HY-M-HP3A2
HY-P-A2/3
HY-ST-B1/22
HY-TK-A1/20
HY-TK-A2/20
HY-V-20A
HY-V-A1/10
HY-V-A1/11
HY-V-A1/12
HY-V-A1/13
HY-V-A1/14
HY-V-A1/16
HY-V-A1/17
HY-V-A1/35
HY-V-A1/6
HY-V-A1/7

HY-V-A1/8
HY-V-A1/9
HY-V-A2/10
HY-V-A2/11
HY-V-A2/12
HY-V-A2/13
HY-V-A2/14
HY-V-A2/16
HY-V-A2/17
HY-V-A2/35
HY-V-A2/6
HY-V-A2/7
HY-V-A2/8
HY-V-A2/9
HY-V-17A+
HY-POS-V17A
HY-V-18A+
HY-POS-V18A
HY-V-19A+
HY-POS-V19A
HY-V-20A+
HY-POS-V20A

ZONE D
E-MC-8B+
E-42-10DSPARE
E-42-8B/10BSPAR
E-42-8B/10CFUT
E-42-8B/2ASPAR
E-42-CIA/C1B
E-42-CIA/V30B
E-42-CRA/AD1B1
E-42-CRA/AD2B
E-42-CRA/PN1C1
E-42-CRA/PN1C2
E-42-CRA/PN2B1
E-42-CRA/PN2B2
E-42-CRA/PN3B
E-42-CRA/PN3C
E-42-CRA/PN4B
E-42-CRA/PN5B
E-42-CRA/PN5D
E-42-D002HTRA
E-42-D002HTRB
E-42-ELP/89B
E-42-MSLC/PN2
E-42-MSLC/V10
E-42-MSLC/V4
E-42-MSLC/V5
E-42-MSLC/V9
E-42-RHR/P3
E-42-RRA/PN1
E-42-RRA/PN10
E-42-RRA/PN3

E-42-RRA/PN6
E-42-SGTESH1B
E-42-SGTESH2B
E-42-SLC/P1B
E-42-SLC/V1B
E-CB-MC/8B/A
E-CB-MC/8B/B
E-RLY-CRAPN1B2
E-RLY-CRAPN1C2
E-RLY-CRAPN2B1
E-RLY-CRAPN2B2
E-RLY-CRAPN4B
E-RLY-MSLCV10
E-RLY-MSLCV12
E-RLY-MSLCV4
E-RLY-MSLCV5
E-RLY-MSLCV9
E-RLY-SGTES1B
E-RLY-SGTES2B
E-RLY-SLCP1B
E-TM-CRAPN1B2
E-TM-CRAPN1C2
E-TR-SGTES2B
E-TR-SGTES42A
E-TRB-8B/TB10A
E-TRB-8B/TB10B
E-TRB-8B/TB10C
E-TRB-8B/TB2A
E-TRB-8B/TB2B
E-TRB-8B/TB2C
E-TRB-8B/TB3A
E-TRB-8B/TB3B
E-TRB-8B/TB3C
E-TRB-8B/TB4A
E-TRB-8B/TB4B
E-TRB-8B/TB4C
E-TRB-8B/TB5A
E-TRB-8B/TB5B
E-TRB-8B/TB5C
E-TRB-8B/TB6A
E-TRB-8B/TB6B
E-TRB-8B/TB6C
E-TRB-8B/TB7A
E-TRB-8B/TB7B
E-TRB-8B/TB7C
E-TRB-8B/TB8A
E-TRB-8B/TB8B
E-TRB-8B/TB8C
E-TRB-8B/TB9A
E-TRB-8B/TB9B
E-TRB-8B/TB9C
E-TRB-CIAV30B
E-TRB-CKT12N
E-TRB-CRAAD2B
E-TRB-CRAPN1B1
E-TRB-CRAPN1B2

E-TRB-CRAPN1C1
E-TRB-CRAPN1C2
E-TRB-CRAPN2B1
E-TRB-CRAPN2B2
E-TRB-CRAPN3B
E-TRB-CRAPN3C
E-TRB-CRAPN4B
E-TRB-CRAPN5B
E-TRB-CRAPN5D
E-TRB-MC8BA
E-TRB-MC8BB
E-TRB-MSLCFN2
E-TRB-MSLCV10
E-TRB-MSLCV4
E-TRB-MSLCV5
E-TRB-MSLCV9
E-TRB-RHRP3
E-TRB-RRAPN1
E-TRB-RRAPN10
E-TRB-RRAPN3
E-TRB-RRAPN6
E-TRB-SLCHTRA
E-TRB-SLCHTRB
E-TRB-SLCP1B
E-TRB-SLCP1B
E-MC-8BA+
E-42-FPC/V153
E-42-FPC/V173
E-42-FPC/V175
E-42-FPC/V181B
E-42-FPC/V184
E-42-MS/V16
E-42-RCC/V104
E-42-RCC/V129
E-42-RCIC/V63
E-42-RCIC/V76
E-42-RHR/FCV64B
E-42-RHR/FCV64C
E-42-RHR/V11B
E-42-RHR/V123A
E-42-RHR/V123B
E-42-RHR/V125A
E-42-RHR/V125B
E-42-RHR/V134B
E-42-RHR/V16B
E-42-RHR/V17B
E-42-RHR/V21
E-42-RHR/V24B
E-42-RHR/V26B
E-42-RHR/V27B
E-42-RHR/V42B
E-42-RHR/V4C
E-42-RHR/V6B
E-42-RHR/V9

E-42-RRA/PN20
E-42-RRC/V16A
E-42-RWC/V1
E-42-SW/V187B
E-42-SW/V24B
E-42-SW/V24C
E-RLY-RCICV63
E-RLY-RHRV11B
E-RLY-RHRV16B
E-RLY-RHRV17B
E-RLY-RHRV21
E-RLY-RHRV24B
E-RLY-RHRV26B
E-RLY-RHRV27B
E-RLY-RHRV42B
E-RLY-RHRV42C
E-RLY-RHRV4B
E-RLY-RHRV4C
E-RLY-RHRV6B
E-RLY-RHRV9
E-TRB-8BA/TB10A
E-TRB-8BA/TB10B
E-TRB-8BA/TB10C
E-TRB-8BA/TB11A
E-TRB-8BA/TB11B
E-TRB-8BA/TB11C
E-TRB-8BA/TB2A
E-TRB-8BA/TB2B
E-TRB-8BA/TB2C
E-TRB-8BA/TB3A
E-TRB-8BA/TB3B
E-TRB-8BA/TB3C
E-TRB-8BA/TB4A
E-TRB-8BA/TB4B
E-TRB-8BA/TB4C
E-TRB-8BA/TB5A
E-TRB-8BA/TB5B
E-TRB-8BA/TB5C
E-TRB-8BA/TB6A
E-TRB-8BA/TB6B
E-TRB-8BA/TB6C
E-TRB-8BA/TB7A
E-TRB-8BA/TB7B
E-TRB-8BA/TB7C
E-TRB-8BA/TB8A
E-TRB-8BA/TB8B
E-TRB-8BA/TB8C
E-TRB-8BA/TB9A
E-TRB-8BA/TB9B
E-TRB-8BA/TB9C
E-TRB-FPCP1B
E-TRB-FPCV153
E-TRB-MSV16
E-TRB-RCCV104
E-TRB-RCCV129
E-TRB-RCCV40

ZONE E
NONE

ZONE F
RWCU-V-4+
RWCU-M-V4
RWCU-MO-4
RWCU-V-4

ZONE G
RHR-V-42B+
RHR-M-V42B

E-TRB-RCICV63
E-TRB-RCICV76
E-TRB-RHRFCV64B
E-TRB-RHRFCV64C
E-TRB-RHRV11B
E-TRB-RHRV123A
E-TRB-RHRV123B
E-TRB-RHRV125A
E-TRB-RHRV125B
E-TRB-RHRV134B
E-TRB-RHRV16B
E-TRB-RHRV17B
E-TRB-RHRV21
E-TRB-RHRV24B
E-TRB-RHRV26B
E-TRB-RHRV27B
E-TRB-RHRV42B
E-TRB-RHRV42C
E-TRB-RHRV4B
E-TRB-RHRV4C
E-TRB-RHRV6B
E-TRB-RHRV9
E-TRB-8BA/TB10A
E-TRB-8BA/TB10B
E-TRB-8BA/TB10C
E-TRB-8BA/TB11A
E-TRB-8BA/TB11B
E-TRB-8BA/TB11C
E-TRB-8BA/TB2A
E-TRB-8BA/TB2B
E-TRB-8BA/TB2C
E-TRB-8BA/TB3A
E-TRB-8BA/TB3B
E-TRB-8BA/TB3C
E-TRB-8BA/TB4A
E-TRB-8BA/TB4B
E-TRB-8BA/TB4C
E-TRB-8BA/TB5A
E-TRB-8BA/TB5B
E-TRB-8BA/TB5C
E-TRB-8BA/TB6A
E-TRB-8BA/TB6B
E-TRB-8BA/TB6C
E-TRB-8BA/TB7A
E-TRB-8BA/TB7B
E-TRB-8BA/TB7C
E-TRB-8BA/TB8A
E-TRB-8BA/TB8B
E-TRB-8BA/TB8C
E-TRB-8BA/TB9A
E-TRB-8BA/TB9B
E-TRB-8BA/TB9C
E-TRB-FPCP1B
E-TRB-FPCV153
E-TRB-MSV16
E-TRB-RCCV104
E-TRB-RCCV129
E-TRB-RCCV40

RHR-MO-42B
RHR-V-42B
ZONE H
CIA-V-30B+
CIA-LMS-30B
CIA-M-V30B
CIA-MO-30B
CIA-V-30B
E-IR-69+
FPC-PI-68G
FPC-PS-6B
FPC-PS-9B
FPC-RMS-P1B
FPC-SPV-113
RHR-I/P-1B
RHR-I/P-3B
RHR-SPV-51B
RHR-SPV-65B
ROA-RLY-CR200

E-IR-P008+

E-IR-P027+
MS-LIS-24B
MS-LIS-36D
MS-LIS-37B
MS-LIS-37D
MS-LIS-38B
MS-LITS-26B
MS-LT-27
MS-PI-4D
MS-PS-20B
MS-PS-23B
MS-PS-45C
MS-PS-45D
MS-PS-48B
MS-PS-48D
MS-PT-51B
RPS-PS-2B

E-IR-P039+

E-SH-11+
E-CB-RPT4A
E-SH-12+

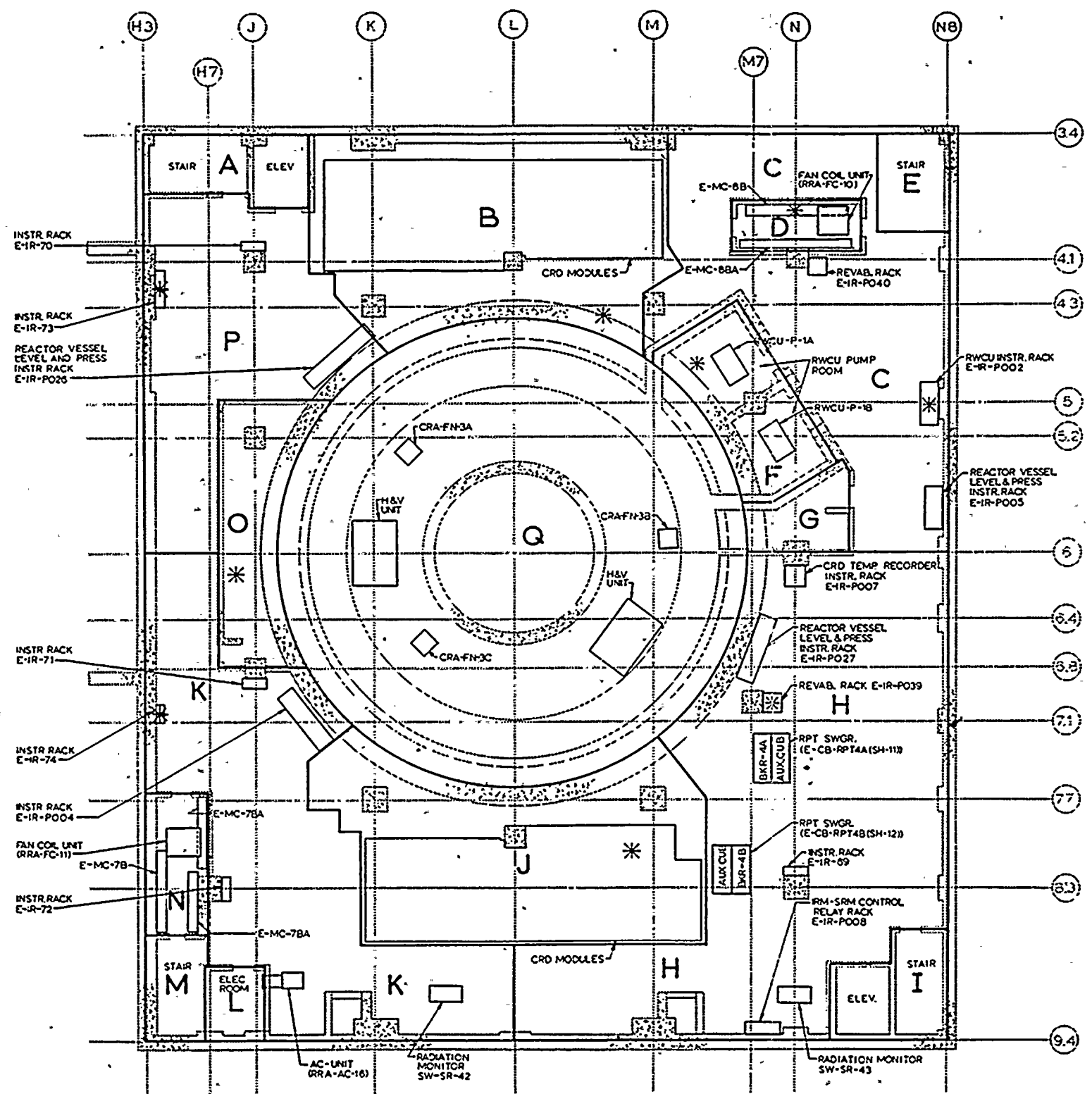
E-CB-RPT4B
HPCS-V-4+
HPCS-LMS-4
HPCS-M-V4
HPCS-MO-4
HPCS-V-4
S-SR-43+
SH-RE-5
SH-RT-2
SH-V-75B+
SH-M-V75B
SH-MO-75B
SH-V-75B

ZONE I
NONE

ZONE J
HY-HP-3B+
HY-P-B1/21
HY-F-B1/23
HY-F-B1/37
HY-F-B2/21
HY-F-B2/23
HY-F-B2/37
HY-FCN-B1/30
HY-FCN-B2/30
HY-HX-B1/19
HY-HX-B2/19
HY-M-HP3B1
HY-M-HP3B2
HY-P-A1/3
HY-P-B1/3
HY-P-B2/3
HY-ST-B2/22
HY-TCV-B1/18
HY-TCV-B2/18
HY-TK-B1/20
HY-TK-B2/20
HY-V-20B
HY-V-B1/10
HY-V-B1/11
HY-V-B1/12
HY-V-B1/13
HY-V-B1/14
HY-V-B1/16
HY-V-B1/35
HY-V-B1/6
HY-V-B1/7
HY-V-B1/8
HY-V-B1/9
HY-V-B2/10

NOTE:
SEE NOTE 3 DRAWING M-522 SHEET. 1 OF 4 ON CRD-HCU

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING, EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO.: 1140-001	DRAWING NO.	REV.
M-522		0
SHEET 2 OF 4		



**SAFETY RELATED EQUIPMENT
-BY ZONES**

ZONE A NONE	ZONE F • 8.4x10 ⁵ rad. RWCU-V-4+	E-CBL-X104D/01 E-CBL-X105C/01 E-CBL-X105D/01 PI-SV-250 PI-SV-251 PI-SV-253 REA-DPT-1B4 RHR-DPIS-9B	ZONE L NONE
ZONE B • LPCS-MO-5 • 6.4x10 ⁵ rad. CRD-HCU-(93 Total) LPCS-V-5+	LD-TE-1A LD-TE-1B LD-TE-1C LD-TE-1D LD-TE-2A LD-TE-2B LD-TE-2C LD-TE-2D LD-TE-3A LD-TE-3B LD-TE-3C LD-TE-3D		ZONE M NONE
ZONE C • E-IR-P002+ • 5.8x10 ⁵ rad. CRD-PCV-2A+ CRD-PCV-2B+ CRD-IR-1+ CRD-IR-2+ CRD-IR-3+ CRD-V-3+ E-IR-P002+ E-IR-P005+ HY-HP-3A+ HY-V-17A+ HY-V-18A+ HY-V-19A+ HY-V-20A+	ZONE G • RHR-MO-42B • 1.2x10 ⁶ rad. RHR-V-42B+	ZONE I NONE	ZONE N • 3.5x10 ³ rad. E-MC-7B+ E-MC-7BA+ RRA-FC-11+
ZONE D • E-MC-8B+ • 8.7x10 ⁴ rad. E-MC-8BA+ ROA-AD-10+ RRA-FC-10+	ZONE H • E-IR-P039+ • 8.3x10 ⁵ rad. CIA-V-30B+ E-IR-69+ E-IR-P008+ E-IR-P027+ E-IR-P039+ E-SH-11+ E-SH-12+ HPCS-V-4+ S-SR-43+ SW-V-75B+	ZONE J • CRD-HCU-(92 Total) • 1.0x10 ⁵ rad. CRD-HCU-(92 Total) HY-HP-3B+ HY-V-17B+ HY-V-18B+ HY-V-19B+ HY-V-20B+	ZONE O • RHR-MO-42C • 1.7x10 ⁶ rad.. RHR-V-42A+ RHR-V-42C+ LD-TE-30A LD-TE-30B LD-TE-30C LD-TE-30D RHR-DPIS-9A RHR-DPIS-9C
ZONE E NONE	ZONE K • E-IR-74+ • 2.4x10 ⁴ rad. CIA-V-20+ E-IR-71+ E-IR-74+ E-IR-P004+ FPC-FCV-1+ ROA-AD-11+ S-SR-42+ SW-V-75A+	ZONE P • E-IR-73+ • 5.2x10 ⁴ rad. CIA-V-30A+ CRD-V-10+ CRD-V-11+ E-IR-73+ E-IR-P026+	
	CIA-SV-39B CMS-ME-1 CMS-ME-2 CMS-ME-3 CMS-ME-4 E-CBL-X102A/01 E-CBL-X102B/01 E-CBL-X103A/01 E-CBL-X103A/02 E-CBL-X103B/01 E-CBL-X103B/02 E-CBL-X104C/01		

NOTES:

1. *, •, •• ARE IDENTIFIED IN GENERAL NOTES 2, 3 & 4 ON DRAWING M-422 SHEET 1
2. SEE DRAWING M-522 SHEETS 2 & 3 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION
4. SEE DRAWING M-522 SHEET 4 OF 4 FOR CRD-HCU-LISTING AND COMPONENTS

REACTOR BUILDING EL. 522'-0"

RADIATION ZONE MAP
REACTOR BUILDING EL. 522'-0"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE 1/8"=1'-0"	
JOB NO. 1140-001	
DRAWING NO.	REV.
M-522	3
SHEET 1 OF 4	

ZONE A
NONE

ZONE E
NONE

ZONE J
NONE

E-IR-P033+
IRM-EAMP-2D
IRM-EAMP-2H

MS-AO-28A
MS-LMS-28A1
MS-LMS-28A2
MS-LMS-28A3
MS-SPV-28A1
MS-SPV-28A2
MS-SPV-28A3
MS-V-28A

MSLC-M-V2A
MSLC-MO-2A
MSLC-V-2A
MSLC-V-2B+
MSLC-M-V2B
MSLC-MO-2B
MSLC-V-2B
MSLC-V-2C+

RFW-V-65B

ZONE B

E-IR-P018+
RCIC-PS-32A
RCIC-PS-33A
RHR-CIST-30A
RHR-DPIS-12A
RHR-DPIS-29A
RHR-FIS-10A
RHR-FT-15A
RHR-PI-2A
RHR-PS-22A
RHR-PS-16A
RHR-PS-19A
RHR-PT-26A
SW-PT-7A

ZONE F

E-IR-64+
CAC-PT-4B
CSP-DPIS-5
CSP-DPIS-6
CSP-SPV-4
CSP-SPV-5
CSP-SPV-9

ZONE K

E-IR-63+
CAC-PT-3B
CEP-SPV-4A
CEP-SPV-4B
CMS-PT-4
CSP-DPIS-4
CSP-SPV-2
CSP-SPV-6
RCIC-SPV-26
RCIC-SPV-5
RHR-SPV-41C

MSLC-FN-2+
MSLC-FN-2
MSLC-M-2
RRC-V-16B+
RRC-LMS-16B
RRC-MO-16B
RRC-V-16B

MS-V-28B+
MS-AO-28B
MS-LMS-28B1
MS-LMS-28B2
MS-LMS-28B3
MS-SPV-28B1
MS-SPV-28B2
MS-SPV-28B3
MS-V-28B

MSLC-M-V2C
MSLC-MO-2C
MSLC-V-2C
MSLC-V-2D+
MSLC-M-V2D
MSLC-MO-2D
MSLC-V-2D
MSLC-V-3A+

ZONE P
NONE

ZONE Q
NONE

ZONE R
NONE

ZONE S

RCC-V-104+
RCC-LMS-V104
RCC-M-V104:
RCC-MO-104
RCC-V-104
RCC-V-21+
RCC-LMS-V21
RCC-M-V21
RCC-MO-21
RCC-V-21
RCC-V-5+
RCC-LMS-V5
RCC-M-V5
RCC-MO-5
RCC-V-5
RCIC-V-8+
RCIC-LMS-8
RCIC-M-V8
RCIC-MO-8
RCIC-V-8
RHR-V-53A+
RHR-M-V53A
RHR-MO-53A
RHR-V-53A
RWCU-V-40+
RWCU-M-V40
RWCU-MO-40
RWCU-V-40

E-IR-P025+
MS-DPIS-10D
MS-DPIS-11D
MS-DPIS-8D
MS-DPIS-9D

E-IR-66+
CAC-PT-3A
CAC-PT-4A
CMS-PT-3
CSP-SPV-1
LPCS-SPV-6
RHR-SPV-41A

E-IR-P015+
MS-DPIS-10A
MS-DPIS-11A
MS-DPIS-8A
MS-DPIS-9A

ZONE L
NONE

ZONE M

RHR-V-16B+
RHR-M-V16B
RHR-MO-16B
RHR-V-16B
RHR-V-17B+
RHR-M-V17B
RHR-MO-17B
RHR-V-17B
RHR-V-53B+
RHR-M-V53B
RHR-MO-53B
RHR-V-53B

MS-V-28C+
MS-AO-28C
MS-LMS-28C1
MS-LMS-28C2
MS-LMS-28C3
MS-SPV-28C1
MS-SPV-28C2
MS-SPV-28C3
MS-V-28C

MSLC-M-V3A
MSLC-MO-3A
MSLC-V-3A
MSLC-V-3B+
MSLC-M-V3B
MSLC-MO-3B
MSLC-V-3B
MSLC-V-3C+

E-IR-P030+
IRM-EAMP-2A
IRM-EAMP-2E

ZONE G
NONE

E-IR-P032+
IRM-EAMP-2C
IRM-EAMP-2G

ZONE H
NONE

E-IR-P021+
RCIC-PS-32B
RCIC-PS-33B
RHR-CIST-30B
RHR-DPIS-12B
RHR-DPIS-29B
RHR-FIS-10B
RHR-FIS-10C
RHR-FT-15B
RHR-FT-15C
RHR-PI-2B
RHR-PIS-22B
RHR-PIS-22C
RHR-PS-16B
RHR-PS-16C
RHR-PS-19B
RHR-PS-19C
RHR-PT-26B
RHR-PT-28
SW-FT-7B

ZONE N
NONE

ZONE O

MS-V-19+
MS-M-V19
MS-MO-19
MS-V-19
MS-V-20+
MS-M-V20
MS-MO-20
MS-V-20
MS-V-28A+

MS-V-28D+
MS-AO-28D
MS-LMS-28D1
MS-LMS-28D2
MS-LMS-28D3
MS-SPV-28D1
MS-SPV-28D2
MS-SPV-28D3
MS-V-28D

MSLC-V-3C+
MSLC-M-V3C
MSLC-MO-3C
MSLC-V-3C
MSLC-V-3D+
MSLC-M-V3D
MSLC-MO-3D
MSLC-V-3D
MSLC-V-4+

E-HC-8C+

ZONE I

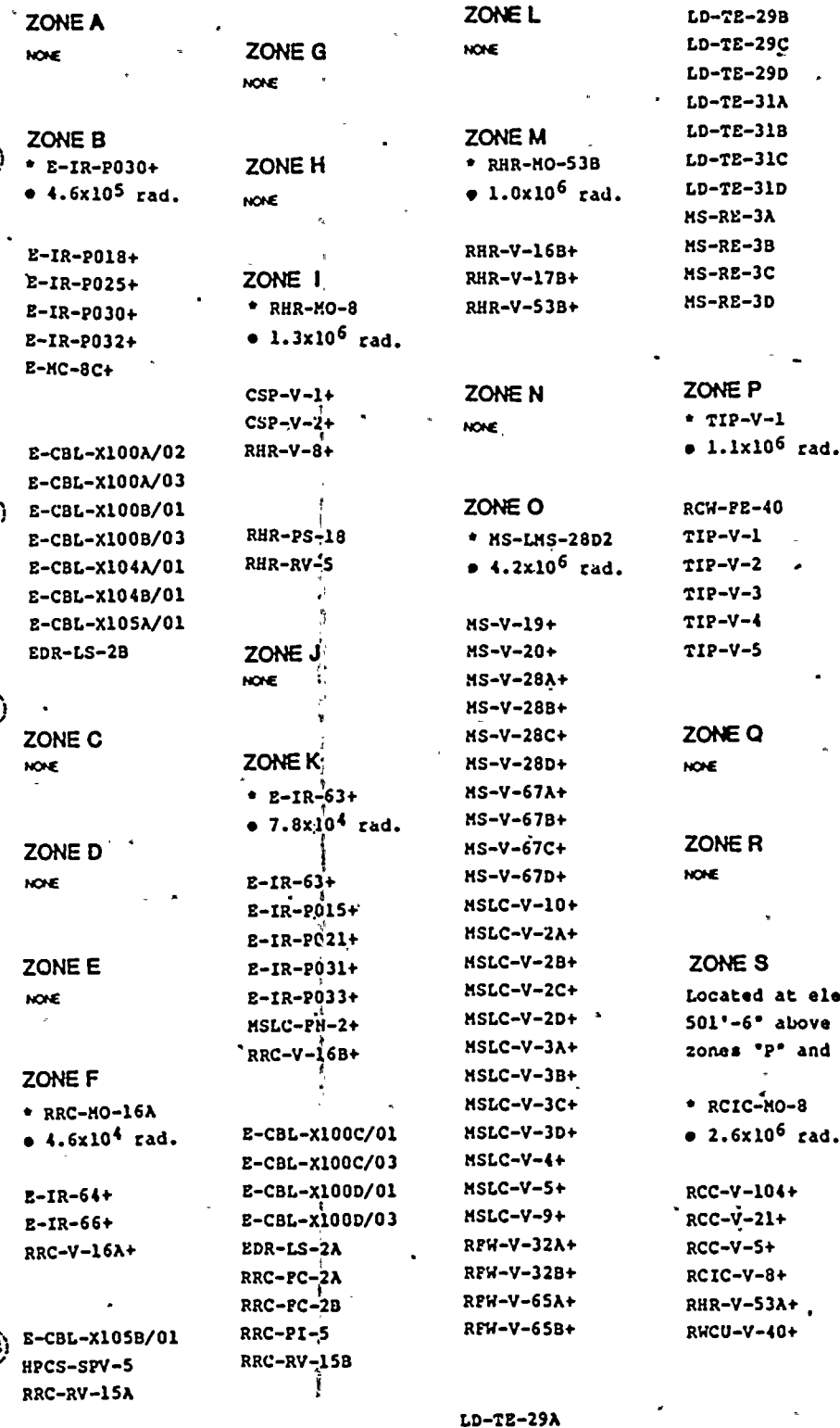
CSP-V-1+
CSP-AO-1
CSP-LMS-1
CSP-V-1
CSP-V-2+
CSP-AO-2
CSP-LMS-2
CSP-V-2
RHR-V-8+
RHR-M-V8
RHR-MO-8
RHR-V-8

ZONE C
NONE

ZONE D
NONE

COMPONENT EQUIPMENT LIST FOR
COMPOSITE EQUIPMENT SHOWN ON
RADIATION ZONE MAP
REACTOR BUILDING EL. 501'-0"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE	NONE
JOB NO.	1140-001
DRAWING NO.	M-501
REV.	0
SHEET	2 OF 2



1. * & ● ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
2. SEE DRAWING M-501 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

RADIATION ZONE MAP REACTOR BUILDING EL. 501'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM	SCALE: 1/8" = 1'-0"
	JOB NO.: 1140-001
	DRAWING NO.
	M-501
SHEET 1 OF 2	

ZONE A

E-ELP-78B+
E-TR-78B
E-IR-P001+
LPCS-DPIS-6
LPCS-FIS-4
LPCS-PT-3
LPCS-PI-1
LPCS-PI-2
LPCS-PIS-1
LPCS-PS-5
LPCS-PS-9

E-IR-P029+
RCIC-DPIS-13B
RCIC-DPIS-7B
RCIC-PS-12B
RCIC-PS-12D
RCIC-PS-22B
RCIC-PS-22D

ZONE B

CAC-FCV-3A+
CAC-EHO-3A/FCV
CAC-FCV-3A
CAC-LMS-3A/FCV
CAC-M-3A/FCV
CAC-FCV-4B+
CAC-EHO-4B/FCV
CAC-FCV-4B
CAC-LMS-4B/FCV
CAC-M-4B/FCV
CAC-V-13+
CAC-LMS-13
CAC-M-V13
CAC-MO-13
CAC-V-13
CAC-V-8+
CAC-LMS-8
CAC-M-V8
CAC-MO-8
CAC-V-8
CSP-V-10+
CSP-AO-10
CSP-LMS-10

CSP-POS-10P1
CSP-POS-10P10
CSP-POS-10P11
CSP-POS-10P12
CSP-POS-10P13
CSP-POS-10P2
CSP-POS-10P3
CSP-POS-10P4
CSP-POS-10P9
CSP-V-10
CSP-V-9+
CSP-AO-9
CSP-LMS-9
CSP-V-9
E-IR-65+
CSP-SPV-10A
CSP-SPV-10B
CSP-SPV-3
CSP-SPV-7A
CSP-SPV-7B
EDR-SPV-20
FDR-SPV-4

E-IR-P006+
RRC-DPT-15A
RRC-FT-11A
RRC-FT-14A
RRC-FT-24A
RRC-PI-1A
RRC-PI-2A
RRC-PS-18A

E-IR-P010+
MS-DPI-5
MS-DPIS-10C
MS-DPIS-11C
MS-DPIS-8C
MS-DPIS-9C
MS-FT-33A
MS-FT-33C
MS-FT-34A
MS-FT-34C
MS-FT-34E
MS-FT-34G
MS-FT-34J
MS-FT-34L
MS-FT-34N
MS-FT-34P
MS-FT-34R
MS-FT-34V
MS-LITS-44A

RRC-FT-14C
RRC-FT-24C

E-IR-P024+
HPCS-DPIS-9
HPCS-FIS-6
HPCS-FT-5
HPCS-PI-2
HPCS-PIS-13
HPCS-PS-12
HPCS-PS-3

ZONE C

NONE

ZONE D

CAC-PP-TB/R363+
CAC-RLY-1B
CAC-RLY-2B
CAC-PP-TB/R364+
CAC-RLY-1A
CAC-RLY-2A
CAC-RLY-3A
CAC-RLY-3B
CAC-RLY-4A
CAC-RLY-4B

CSP-V-3+
CSP-AO-3
CSP-LMS-3
CSP-V-3
CSP-V-4+
CSP-AO-4
CSP-LMS-4
CSP-V-4
CSP-V-5+
CSP-AO-5
CSP-LMS-5
CSP-V-5
CSP-V-7+
CSP-AO-7
CSP-LMS-7
CSP-POS-7P1
CSP-POS-7P10
CSP-POS-7P11
CSP-POS-7P12
CSP-POS-7P13
CSP-POS-7P2
CSP-POS-7P3
CSP-POS-7P4

CSP-POS-7P9
CSP-V-7
E-ELP-88B+
E-TR-88B
E-IR-P009+
MS-DPT-32
MS-FT-33B
MS-FT-33D
MS-FT-34B
MS-FT-34D
MS-FT-34P
MS-FT-34H
MS-FT-34K
MS-FT-34M
MS-FT-34S
MS-FT-34U
MS-FT-34W
MS-LITS-44B
RRC-FT-14D
RRC-FT-24D
RWCU-FT-37

E-IR-P017+
RCIC-DPIS-13A
RCIC-DPIS-7A
RCIC-FIS-2
RCIC-FT-3
RCIC-PI-1
RCIC-PI-2
RCIC-PI-4
RCIC-PI-803
RCIC-PS-12A
RCIC-PS-12C
RCIC-PS-20
RCIC-PS-21
RCIC-PS-22A
RCIC-PS-22C
RCIC-PS-6
RCIC-PS-9A
RCIC-PS-9B
RCIC-PT-4
RCIC-PT-5
RCIC-PT-7
RCIC-PT-8
RCIC-TI-5

E-IR-P022+
MS-DPIS-10B
MS-DPIS-11B
MS-DPIS-8B
MS-DPIS-9B

RRC-DPT-15B
RRC-FT-11B
RRC-FT-14B
RRC-FT-24B
RRC-PI-1B
RRC-PI-2B
RRC-PS-18B

E-SH-10+
E-CB-RPT3B
E-SH-9+
E-CB-RPT3A
FPC-V-172+
FPC-M-V172
FPC-MO-172
FPC-V-172
FPC-M-V173
FPC-MO-173
FPC-V-173
FPC-V-184+
FPC-M-V184
FPC-MO-184
FPC-V-184

ZONE E

CAC-FCV-4A+
CAC-EHO-4A/FCV
CAC-FCV-4A
CAC-LMS-4A/FCV
CAC-M-4A/FCV
CAC-V-4+
CAC-LMS-4
CAC-M-V4
CAC-MO-4
CAC-V-4
RHR-LCV-65B+
RHR-LCV-65B

ZONE G

NONE

ZONE H

E-CP-VB/1A+
CSP-RLY-10CR
CSP-RLY-10R1
CSP-RLY-10R2
CSP-RLY-10R3
CSP-RLY-10R4
CSP-RLY-10R5
CSP-RLY-7CR
RHR-M-V24B
RHR-MO-24B
RHR-V-24B
RHR-V-26B+
RHR-M-V26B
RHR-MO-26B
RHR-V-26B
RHR-V-27B+
RHR-M-V27B
RHR-MO-27B
RHR-V-27B

ZONE F

RHR-LCV-65A+
RHR-AO-65A
RHR-LCV-65A
RHR-V-11A+
RHR-M-V11A
RHR-MO-11A
RHR-V-11A
RHR-V-124A+
RHR-M-V124A
RHR-MO-124A
RHR-V-124A
RHR-V-124B+
RHR-M-V124B
RHR-MO-124B
RHR-V-124B
RHR-V-24A+
RHR-M-V24A
RHR-MO-24A
RHR-V-24A
RHR-V-26A+
RHR-M-V26A
RHR-MO-26A
RHR-V-26A

CSP-RLY-7R1
CSP-RLY-7R2
CSP-RLY-7R3
CSP-RLY-7R4
CSP-RLY-7R5
CSP-RLY-8CR
CSP-RLY-8R1
CSP-RLY-8R2
CSP-RLY-8R3
CSP-RLY-8R4
CSP-RLY-8R5

E-MC-S2/1A+
E-42-RCIC/P2
E-42-RCIC/P4
E-42-RCIC/V13
E-42-RCIC/V19
E-42-RCIC/V22
E-42-RCIC/V45
E-42-RCIC/V59
E-42-RCIC/V64
E-42-RCIC/V69
E-42-RHR/V23
E-42-RHR/V8
E-42-RWCU/V4
E-42-S21A/1CSPA
E-42-S21A/2CSPA
E-42-S21A/3CSPA
E-42-S21A/4CSPA
E-42-TT/TV
ROA-AD-12+
ROA-AD-12
ROA-AO-AD12
ROA-LMS-12
ROA-SPV-12
RRA-FC-12+
RRA-CC-12
RRA-FC-12
RRA-FN-12
RRA-M-12

ZONE I

RCIC-V-110+
RCIC-LMS-80
RCIC-M-V110
RCIC-MO-80
RCIC-V-110
RCIC-V-113+
RCIC-LMS-86
RCIC-M-V113
RCIC-MO-86
RCIC-V-113
RCIC-V-68+
RCIC-LMS-68

RCIC-M-V68
RCIC-MO-68
RCIC-V-68

ZONE J

CEP-V-3A+
CEP-AO-3A
CEP-LMS-3A
CEP-V-3A
CEP-V-3B+
CEP-AO-3B
CEP-LMS-3B
CEP-V-3B
CEP-V-4A+
CEP-AO-4A
CEP-LMS-4A
CEP-V-4A
CEP-V-4B+
CEP-AO-4B
CEP-LMS-4B
CEP-V-4B
CSP-V-6+
CSP-AO-6
CSP-LMS-6
CSP-V-6
CSP-V-8+
CSP-AO-8
CSP-LMS-8
CSP-POS-8P1
CSP-POS-8P10
CSP-POS-8P11
CSP-POS-8P12
CSP-POS-8P13
CSP-POS-8P2
CSP-POS-8P3
CSP-POS-8P4
CSP-POS-8P9
CSP-V-8
E-IR-62+
CEP-SPV-3A
CEP-SPV-3B
CSP-SPV-8A
CSP-SPV-8B
FDR-SPV-3A
FDR-SPV-3B
FDR-SPV-601
FDR-SPV-602
FDR-SPV-604
FDR-SPV-8A
FDR-SPV-8B
FPC-DPIC-1
FPC-SPV-1
RCIC-SPV-25

RCIC-SPV-4
RCIC-SPV-54
RFW-SPV-32A1
RFW-SPV-32A2
RFW-SPV-32B1
RFW-SPV-32B2

MSLC-FN-1+
MSLC-FN-1
MSLC-M-1
MSLC-V-1A+
MSLC-M-V1A
MSLC-MO-1A
MSLC-V-1A
MSLC-V-1B+
MSLC-M-V1B
MSLC-MO-1B
MSLC-V-1B
MSLC-V-1C+
MSLC-M-V1C
MSLC-MO-1C
MSLC-V-1C
MSLC-V-1D+
MSLC-M-V1D
MSLC-MO-1D
MSLC-V-1D

ZONE K

NONE

ZONE L

NONE

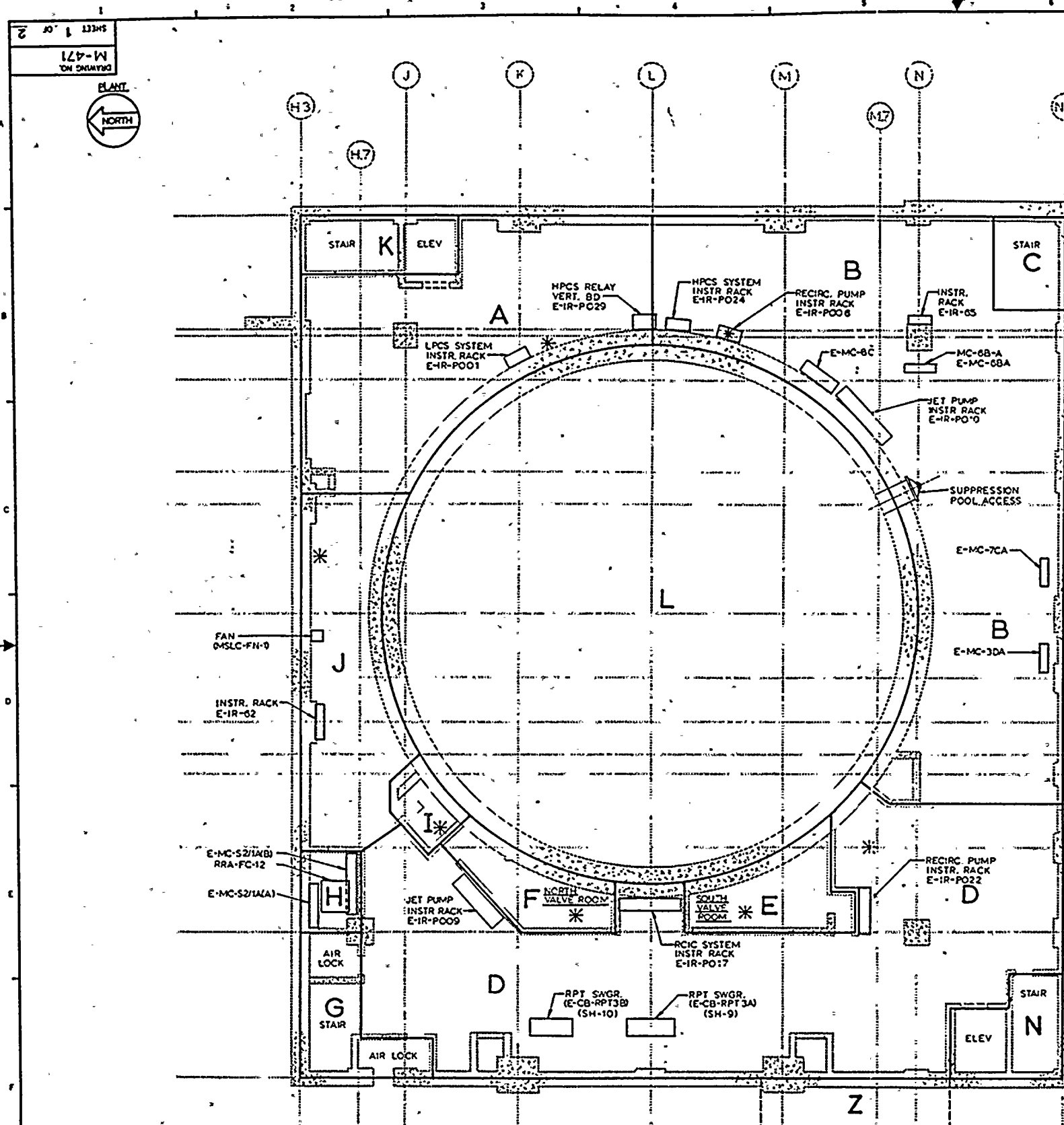
ZONE M

CAC-FCV-3B+
CAC-EHO-3B/FCV
CAC-FCV-3B
CAC-LMS-3B/FCV
CAC-M-3B/FCV
CAC-V-17+
CAC-LMS-17
CAC-M-V17
CAC-MO-17
CAC-V-17

ZONE N

NONE

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL. 471'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE	NONE
		JOB NO.	1140-001
		DRAWING NO.	M-471
		REV.	0
		SHEET	2 OF 2



SAFETY RELATED EQUIPMENT - BY ZONES

ZONE A * RHR-MO-27A • 5.0×10^5 rad. E-ELP-7BB+ E-IR-P001+ E-IR-P029+ RHR-V-27A+ E-CBL-X107A/01 ZONE B * E-IR-P006+ • 5.0×10^5 rad. CAC-PCV-3A+ CAC-PCV-4B+ CAC-V-13+ CAC-V-8+ CSP-V-10+ CSP-V-9+ E-IR-65+ E-IR-P006+ E-IR-P010+ E-IR-P024+ HPCS-PI-1 HPCS-PI-1G ZONE C NONE ZONE D * CSP-A0-3 • 6.0×10^4 rad. CAC-PP-TB/R363+ CAC-PP-TB/R364+ CSP-V-3+ CSP-V-4+ CSP-V-5+ CSP-V-7+ E-ELP-8BB+	E-IR-P009+ E-IR-P017+ E-IR-P022+ E-SH-10+ E-SH-9+ PFC-V-172+ PFC-V-173+ PFC-V-184+ E-PP-7AE E-PP-8AE RHR-RV-25A ZONE E * RHR-MO-11B • 1.7×10^6 rad. CAC-PCV-4A+ CAC-V-4+ RHR-LCV-65B+ RHR-V-11B+ RHR-V-125A+ RHR-V-125B+ RHR-V-24B+ RHR-V-26B+ RHR-V-27B+ E-CBL-X107B/01 RHR-LS-10A RHR-LS-10B RHR-LS-10C RHR-LS-10D RHR-RV-55B RHR-RV-88B RHR-RV-95B ZONE F * RHR-MO-26A • 2.2×10^6 rad. RHR-LCV-65A+ RHR-V-11A+ RHR-V-124A+ RHR-V-124B+	RHR-V-24A+ RHR-V-26A+ RHR-LS-11A RHR-LS-11B RHR-LS-11C RHR-LS-11D RHR-RV-25B RHR-RV-30 RHR-RV-36 RHR-RV-55A RHR-RV-88A RHR-RV-95A ZONE G NONE ZONE H • 3.2×10^3 rad. E-CP-VB/1A+ E-MC-S2/1A+ ROA-AD-12+ RRA-FC-12+ ZONE I * RCIC-MO-86 • 4.8×10^6 rad. RCIC-V-110+ RCIC-V-113+ RCIC-V-68+ ZONE J * MSLC-MO-1B • 4.4×10^7 rad. CEP-V-3A+ CEP-V-3B+ CEP-V-4A+ CEP-V-4B+ CSP-V-6+ CSP-V-8+	E-IR-62+ MSLC-FN-1+ MSLC-V-1A+ MSLC-V-1B+ MSLC-V-1C+ MSLC-V-1D+ MSLC-FT-3A MSLC-FT-3B MSLC-FT-3C MSLC-FT-3D MSLC-H-A MSLC-H-B MSLC-H-C MSLC-H-D MSLC-TE-10A MSLC-TE-10B MSLC-TE-10C MSLC-TE-10D RHR-RV-25C ZONE K NONE ZONE L NONE ZONE M Located at elev. 480'-0" above zone "I" • 9.1×10^4 rad. CAC-PCV-3B+ CAC-V-17+ ZONE N NONE
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NOTES:

- * , • , •• ARE IDENTIFIED IN GENERAL NOTES 2,3,& 4 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-471 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 471'-0"

INDICATES AREA WHERE DOSE RATE OUTSIDE OF REACTOR BUILDING WAS CALCULATED NOT INDICATIVE OF ACTUAL ZONE

RADIATION ZONE MAP REACTOR BUILDING EL. 471'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: 1/8" = 1'-0"	
		JOB NO: 1140-001	
		DRAWING NO.	REV
		M-471	3
		SHEET 1 OF 2	

ZONE A
 NONE

ZONE B.

LPCS-V-1+
 LPCS-LMS-1
 LPCS-M-V1
 LPCS-MO-1
 LPCS-V-1
 LPCS-V-12+
 LPCS-LMS-12
 LPCS-M-V12
 LPCS-MO-12
 LPCS-V-12
 RRA-FC-5+
 RRA-CC-5
 RRA-FC-5
 RRA-FN-5
 RRA-M-5
 RRA-RMS-S5
 SW-V-44+
 SW-M-V44
 SW-MO-44
 SW-V-44

ZONE C

EDR-V-19+
 EDR-AO-19
 EDR-LMS-V19
 EDR-V-19
 EDR-V-20+
 EDR-AO-20
 EDR-LMS-V20
 EDR-V-20
 PDR-V-3+
 PDR-AO-3
 PDR-LMS-V3
 PDR-V-3
 PDR-V-4+
 PDR-AO-4
 PDR-LMS-V4
 PDR-V-4
 HPCS-V-10+
 HPCS-M-V10
 HPCS-MO-10
 HPCS-POT-8
 HPCS-V-10
 HPCS-V-11+
 HPCS-M-V11
 HPCS-MO-11
 HPCS-POT-10
 HPCS-V-11

HPCS-V-15+
 HPCS-LMS-15
 HPCS-M-V15
 HPCS-MO-15
 HPCS-V-15
 HPCS-V-23+
 HPCS-LMS-23
 HPCS-M-V23
 HPCS-MO-23
 HPCS-V-23
 RRA-FC-4+
 RRA-CC-4
 RRA-FC-4
 RRA-FN-4
 RRA-M-4
 RRA-RMS-S4
 SW-V-54+
 SW-M-V54
 SW-MO-54
 SW-V-54

ZONE D
 NONE

ZONE E
 NONE

ZONE F

RHR-FCV-64B+
 RHR-FCV-64B
 RHR-M-V64B
 RHR-MO-64B
 RHR-V-4B+
 RHR-M-V4B
 RHR-MO-4B
 RHR-V-4B
 RRA-FC-3+
 RRA-CC-3
 RRA-FC-3
 RRA-FN-3
 RRA-M-3
 RRA-RMS-S3
 SW-V-24B+
 SW-M-V24B
 SW-MO-24B
 SW-V-24B

ZONE G

FPC-V-153+
 FPC-M-V153
 FPC-MO-153
 FPC-V-153
 FPC-V-154+
 FPC-M-V154
 FPC-MO-154
 FPC-V-154
 FPC-V-156+
 FPC-M-V156
 FPC-MO-156
 FPC-V-156
 RHR-FCV-64A+
 RHR-PCV-64A
 RHR-M-V64A
 RHR-MO-64A
 RHR-V-4A+
 RHR-M-V4A
 RHR-MO-4A
 RHR-V-4A
 RRA-FC-2+
 RRA-CC-2
 RRA-FC-2
 RRA-FN-2
 RRA-M-2
 RRA-RMS-S2
 SW-V-24A+
 SW-M-V24A
 SW-MO-24A
 SW-V-24A

ZONE H
 NONE

ZONE I

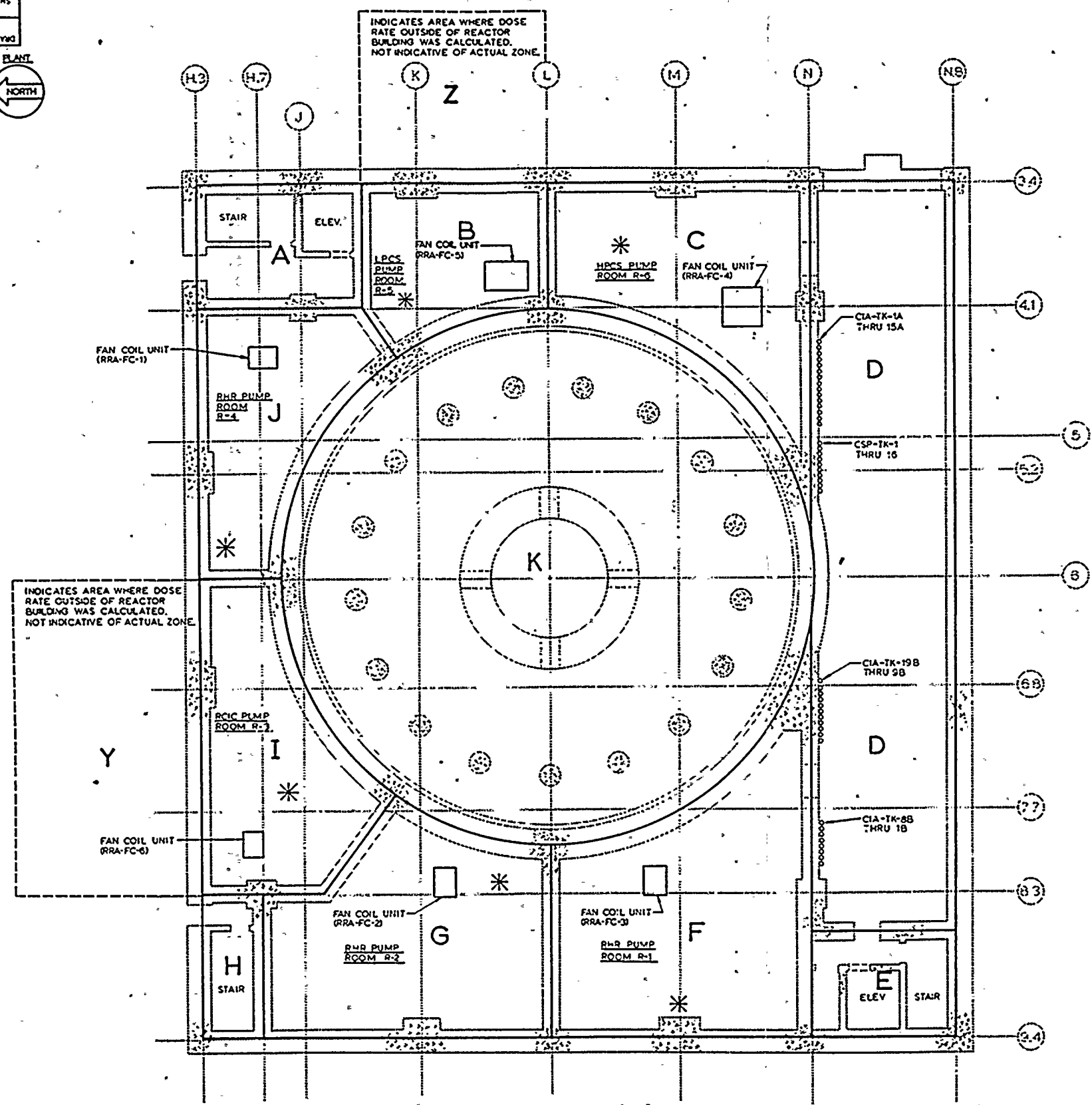
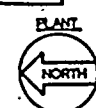
RCIC-V-19+
 RCIC-LMS-19
 RCIC-M-V19
 RCIC-MO-19
 RCIC-V-19
 RCIC-V-22+
 RCIC-LMS-22
 RCIC-M-V22
 RCIC-MO-22
 RCIC-V-22
 RCIC-V-31+
 RCIC-LMS-31
 RCIC-M-V31
 RCIC-MO-31
 RCIC-V-31
 RCIC-V-59+

RCIC-LMS-59
 RCIC-M-V59
 RCIC-MO-59
 RCIC-V-59
 RCIC-V-69+
 RCIC-LMS-69
 RCIC-M-V69
 RCIC-MO-69
 RCIC-V-69
 RRA-FC-6+
 RRA-CC-6
 RRA-FC-6
 RRA-FN-6
 RRA-M-6
 RRA-RMS-S6

ZONE J

RHR-FCV-64C+
 RHR-FCV-64C
 RHR-M-V64C
 RHR-MO-64C
 RHR-V-21+
 RHR-M-V21
 RHR-MO-21
 RHR-V-21
 RHR-V-4C+
 RHR-M-V4C
 RHR-MO-4C
 RHR-V-4C
 RRA-FC-1+
 RRA-CC-1
 RRA-FC-1
 RRA-FN-1
 RRA-M-1
 RRA-RMS-S1
 SW-V-24C+
 SW-M-V24C
 SW-MO-24C
 SW-V-24C

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL. 441'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM			
SCALE:	NONE		
JOB NO.:	1140-001		
DRAWING NO.:	M-441	REV.	0
SHEET:	2	OF:	2



REACTOR BUILDING EL. 441'-0"

NOTES:

1. *, •, •• ARE IDENTIFIED IN GENERAL NOTES 2,3,& 4 ON DRAWING M-422 SHEET 1
2. SEE DRAWING M-441 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

ZONE A NONE	CIA-SPV-19B	PPC-V-154+
	CIA-SPV-1A	PPC-V-156+
	CIA-SPV-1B	RHR-FCV-64A+
ZONE B * LPCS-MO-12 • 1.4×10^6 rad. LPCS-V-1+ LPCS-V-12+ RRA-FC-5+ SW-V-44+	CIA-SPV-2A	RHR-V-4A+
	CIA-SPV-2B	RRA-FC-2+
	CIA-SPV-3A	SW-V-24A+
	CIA-SPV-3B	
	CIA-SPV-4A	
	CIA-SPV-4B	LD-TE-18A
	CIA-SPV-5A	LD-TE-18C
	CIA-SPV-5B	LD-TE-28B
	CIA-SPV-6A	LD-TE-28D
	CIA-SPV-6B	
ZONE C * HPCS-MO-23 • 1.4×10^6 rad. EDR-V-19+ EDR-V-20+ FDR-V-3+ FDR-V-4+ HPCS-V-10+ HPCS-V-11+ HPCS-V-15+ HPCS-V-23+ RRA-FC-4+ SW-V-54+	CIA-SPV-7A	
	CIA-SPV-7B	
	CIA-SPV-8A	
	CIA-SPV-8B	
	CIA-SPV-9A	
	CIA-SPV-9B	
	SW-V-34	
ZONE D •• 8.2×10^3 rad. CIA-SPV-10A CIA-SPV-10B CIA-SPV-11A CIA-SPV-11B CIA-SPV-12A CIA-SPV-12B CIA-SPV-13A CIA-SPV-13B CIA-SPV-14A CIA-SPV-14B CIA-SPV-15A CIA-SPV-15B CIA-SPV-16B CIA-SPV-17B CIA-SPV-18B		
ZONE E NONE		
ZONE F * RHR-MO-64B • 1.7×10^6 rad. EDR-LS-3B HPCS-FE-7		
ZONE G * RHR-MO-4A • 9.9×10^5 rad. PPC-V-153+		
ZONE H NONE		
ZONE I * LD-TE-4B • 4.0×10^6 rad. RCIC-V-19+ RCIC-V-22+ RCIC-V-31+ RCIC-V-59+ RCIC-V-69+ RRA-FC-6+		
ZONE J * RHR-MO-21 • 3.1×10^6 rad. RHR-FCV-64C+ RHR-V-21+ RHR-V-4C+ RRA-FC-1+ SW-V-24C+		

RADIATION ZONE MAP REACTOR BUILDING EL. 441'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"
JOB NO. 1140-001	DRAWING NO.	REV.
M-441		3
SHEET 1 OF 2		

ZONE A

NONE

CRD-PS-1A
 CRD-IR-1C+
 CRD-PI-17B
 CRD-PS-1B

ZONE B

NONE

CRD-P-1A+
 CRD-P-1A
 CRD-P-1B+
 CRD-P-1B
 E-IR-61+
 EDR-SPV-19
 FDR-SPV-3
 FDR-SPV-603

ZONE C

LPCS-PCV-11+
 LPCS-PCV-11
 LPCS-LMS-11
 LPCS-M-V11
 LPCS-MO-11
 LPCS-P-1+
 LPCS-H-1
 LPCS-M-1
 LPCS-P-1
 LPCS-P-2+
 LPCS-M-2
 LPCS-P-2

ZONE D

FDR-V-603+
 FDR-AO-603
 FDR-V-603
 HPCS-P-1+
 HPCS-M-1
 HPCS-P-1
 HPCS-ST-1
 HPCS-P-3+
 HPCS-M-3
 HPCS-P-3
 HPCS-V-1+
 HPCS-LMS-1
 HPCS-M-V1
 HPCS-MO-1
 HPCS-V-1
 HPCS-V-12+
 HPCS-LMS-12
 HPCS-M-V12
 HPCS-MO-12
 HPCS-V-12

ZONE E

CRD-IR-1A+
 CRD-DEIS-15
 CRD-IR-1B+
 CRD-PI-17A

ZONE K

NONE

ZONE L

RCIC-DT-1+
 RCIC-DT-1
 RCIC-LMS-H1/2
 RCIC-LMS-V1
 RCIC-P-1
 RCIC-P-5
 RCIC-PI-3
 RCIC-RMS-RTRIP
 RCIC-SS-C002
 RCIC-V-104
 RCIC-V-105
 RCIC-V-106
 RCIC-V-24
 RCIC-V-29
 RCIC-V-51
 RCIC-HX-1+
 RCIC-HX-1
 RCIC-HX-2+
 RCIC-F-1
 RCIC-HX-2
 RCIC-P-3+
 RCIC-M-3
 RCIC-P-3
 RCIC-PCV-15+
 RCIC-PCV-15
 RCIC-TK-1+
 RCIC-LS-11
 RCIC-LS-12
 RCIC-M-2
 RCIC-M-4
 RCIC-P-2
 RCIC-P-4
 RCIC-PCV-16
 RCIC-PI-5
 RCIC-PS-13
 RCIC-RV-33
 RCIC-SS-1
 RCIC-TK-1
 RCIC-V-1+
 RCIC-LMS-1
 RCIC-LMS-C23
 RCIC-M-V1
 RCIC-MO-1
 RCIC-V-1
 RCIC-V-10+
 RCIC-LMS-10
 RCIC-M-V10

RCIC-MO-10
 RCIC-V-10
 RCIC-V-12+
 RCIC-M-V12
 RCIC-MO-12
 RCIC-V-12
 RCIC-V-2+
 RCIC-HO-2
 RCIC-LMS-C21
 RCIC-LMS-C22
 RCIC-V-2
 RCIC-V-25+
 RCIC-AO-25
 RCIC-LMS-25
 RCIC-V-25
 RCIC-V-26+
 RCIC-AO-26
 RCIC-LMS-26
 RCIC-V-26
 RCIC-V-4+
 RCIC-AO-4
 RCIC-LMS-4
 RCIC-V-4
 RCIC-V-45+
 RCIC-LMS-45
 RCIC-M-V45
 RCIC-MO-45
 RCIC-V-45
 RCIC-V-46+
 RCIC-LMS-46
 RCIC-M-V46
 RCIC-MO-46
 RCIC-V-46
 RCIC-V-5+
 RCIC-AO-5
 RCIC-LMS-5
 RCIC-V-5
 RCIC-V-54+
 RCIC-AO-54
 RCIC-LMS-54
 RCIC-V-54

ZONE M

FDR-V-604+
 FDR-AO-604
 FDR-V-604
 RHR-P-2C+
 RHR-M-2C
 RHR-P-2C
 RHR-P-3+
 RHR-M-3
 RHR-P-3

ZONE F

NONE

ZONE G

NONE

ZONE H

NONE

ZONE I

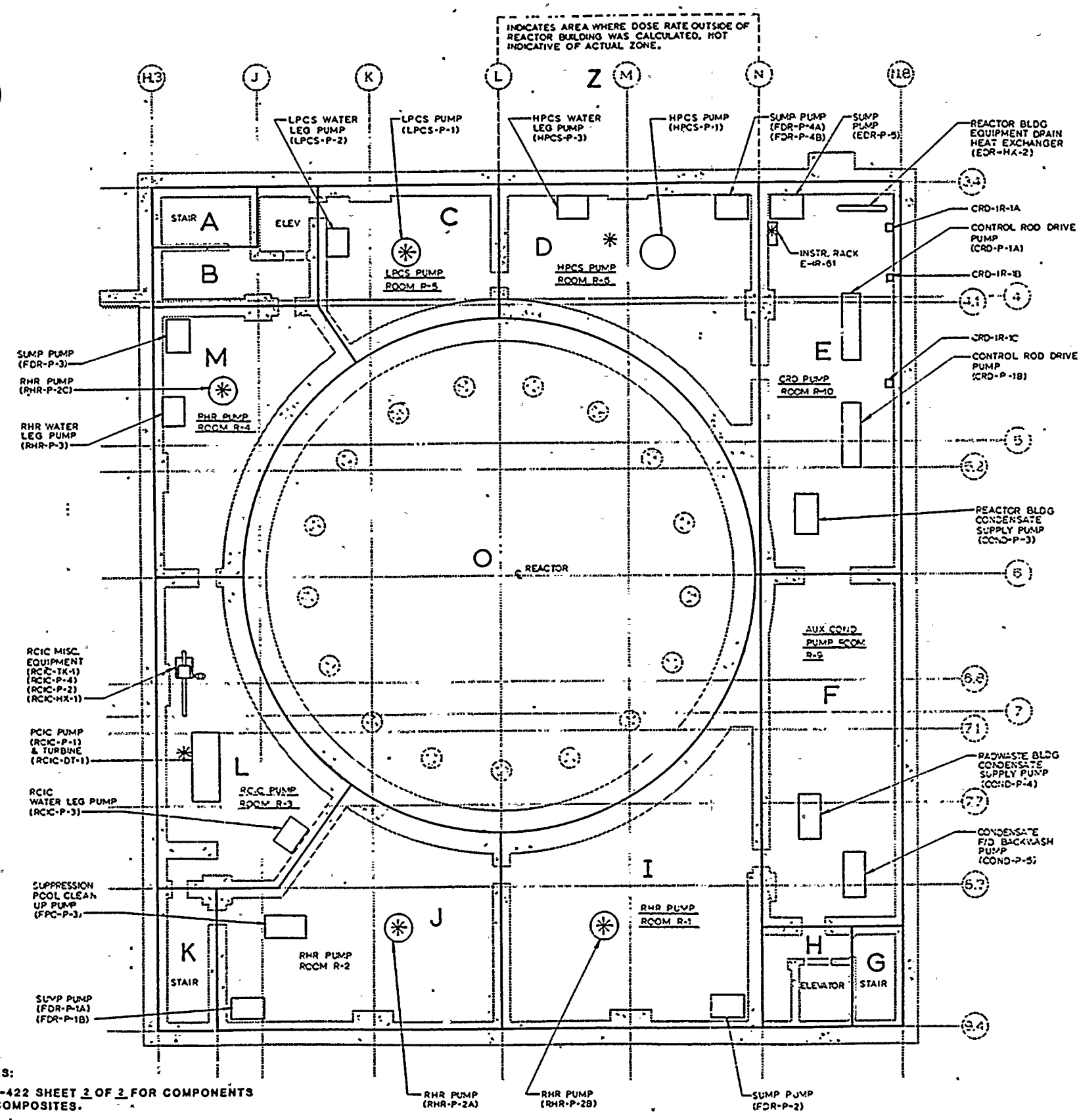
FDR-V-602+
 FDR-AO-602
 FDR-V-602
 RHR-P-2B+
 RHR-M-2B
 RHR-P-2B
 RHR-V-6B+
 RHR-M-6B
 RHR-MO-6B
 RHR-V-6B

ZONE J

FDR-V-601+
 FDR-AO-601
 FDR-V-601
 RHR-P-2A+
 RHR-M-2A
 RHR-P-2A
 RHR-V-6A+
 RHR-M-V6A
 RHR-MO-6A
 RHR-V-6A

COMPONENT EQUIPMENT LIST FOR
 COMPOSITE EQUIPMENT SHOWN ON
 RADIATION ZONE MAP
 REACTOR BUILDING, EL. 422'-3"
 WASHINGTON PUBLIC POWER
 SUPPLY SYSTEM

SCALE	NONE
JOB NO.	1140-001
DRAWING NO.	M-422
REV.	0
SHEET	2 OF 2



SAFETY RELATED EQUIPMENT -BY ZONES

ZONE A	E-IR-61+	ZONE L
NONE		* RCIC-MO-46
ZONE B	CRD-PU-10	• 1.2×10^7 rad.
NONE	CRD-RV-1A	
	CRD-RV-1B	RCIC-DT-1+
ZONE C		RCIC-HX-1+
* LPCS-M-1	ZONE F	RCIC-HX-2+
• 1.7×10^6 rad.	NONE	RCIC-P-3+
LPCS-FCV-11+	ZONE G	RCIC-PCV-15+
LPCS-P-1+	NONE	RCIC-TK-1+
LPCS-P-2+		RCIC-V-1+
FDR-LS-45	ZONE H	RCIC-V-10+
	NONE	RCIC-V-12+
ZONE D	ZONE I	RCIC-V-25+
* HPCS-MO-12	* RHR-M-2B	RCIC-V-26+
• 1.6×10^6 rad.	• 2.5×10^6 rad	RCIC-V-4+
FDR-V-603+	FDR-V-602+	RCIC-V-45+
HPCS-P-1+	RHR-P-2B+	RCIC-V-46+
HPCS-P-3+	RHR-V-6B+	RCIC-V-5+
HPCS-V-1+		RCIC-V-54+
HPCS-V-12+		FDR-LS-44
		RCIC-P2-1
ZONE E		RCIC-LS-10
• 9.4×10^3 rad.		RCIC-LS-3
CRD-IR-1A+		RCIC-PS-1
CRD-IR-1B+		RCIC-PS-34
CRD-IR-1C+		RCIC-RV-17
CRD-P-1A+		RCIC-RV-18
CRD-P-1B+		RCIC-SV-C002
	ZONE J	ZONE M
	* RHR-M-2A	* RHR-M-2C
	• 2.0×10^6 rad.	• 1.9×10^6 rad.
	FDR-V-601+	FDR-V-604+
	RHR-P-2A+	RHR-P-2C+
	RHR-V-6A+	RHR-P-3+
	FDR-LS-41	FDR-LS-43
	LD-TE-27B	RHR-RV-88C
	LD-TE-27D	
	ZONE K	
	NONE	

- GENERAL NOTES:**
1. SEE DWG. M-422 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES.
 2. * IDENTIFIES WORST TARGET FROM CALCULATION.
 3. • IDENTIFIES WORST TARGET GAMMA DOSE =
6 MONTH DIRECT ACCIDENT DOSE +
6 MONTH AIRBORNE ACCIDENT DOSE +
40 YEAR NORMAL OPERATIONS DOSE
 4. •• ALL EQUIPMENT RECEIVES APPROXIMATELY SAME DOSE.
 5. EQUIPMENT PART NUMBERS FOLLOWED BY *+ ARE COMPOSITE EQUIPMENT.
 6. GENERIC MECHANICAL EQUIPMENT (E.G., GENERAL CABLE, FLX, X, FG, CHECK VALVES, RO, RD, ST, T, TX, PWS AND MANUALLY OPERATED VALVES) WILL BE INCLUDED ONLY IF IT IS PART OF A COMPOSITE.

REACTOR BUILDING EL. 422'-3"

RADIATION ZONE MAP
REACTOR BUILDING EL. 422'-3"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE 1/8" = 1'-0"	
JOB NO. 1140-001	REV.
DRAWING NO.	
M-422	3
SHEET 1 OF 2	

