



GULF STATES UTILITIES COMPANY

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July 9, 1984
RBG-18,131
File Nos. G9.5
G9.19.2, 245.000

Mr. Harold Denton
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

River Bend Station-Unit 1
Docket No. 50-458

Enclosed is one (1) copy each of an equipment qualification master list for the following categories of Balance of Plant (BOP) equipment:

Enclosure 1 - Environmental Qualification of BOP Electrical
Equipment requiring qualification in accordance with
10CFR50.49

Enclosure 2 - Seismic Category I and Dynamically Qualified
Safety-Related BOP Equipment

A copy of the master lists for the environmental qualification of NSSS electrical equipment, NSSS seismic Category I equipment, and safety-related active mechanical equipment located in a harsh environment is scheduled for submittal prior to August 1984.

The master lists contain a tabulation of River Bend Station (RBS) BOP equipment requiring environmental and/or seismic qualification categorized by system, then type. In addition to the master lists, a copy of a completed system component evaluation work (SCEW) sheet sample is provided with Enclosure 1. The SCEW sheet is referenced on the BOP electrical equipment master list.

The master list format of the BOP electrical equipment identified in Enclosure 1 is based on NUREG-0588, Appendix E, "Standard Question on Environmental Qualification of Class 1E Equipment." Detailed descriptions of the fields, codes, and definitions are provided in Section 5.1 of the RBS Environmental Qualification Document (EQD) submitted to the Nuclear Regulatory Commission (NRC) on May 25, 1984.

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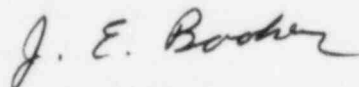
The current qualification and installation status codes used in the BOP electrical equipment master list are defined in Enclosure 1.

The master list format of the seismic Category I BOP equipment identified in Enclosure 2 is based on recommendations provided in Attachment 1 to the NRC's December 21, 1982 letter. As requested in the letter, a complete set of required response spectra (RRS) used in the qualification of equipment is provided in Enclosure 3. Complete cross-references between the equipment mark numbers and the applicable RRS will be provided in an updated submittal prior to August 1984. The codes used in the master list are defined in Enclosure 2.

As discussed in a meeting on May 15, 1984 between your staff and Gulf States Utilities Company (GSU), the Seismic Qualification Review Team (SQRT) and Pump and Valve Operability Review Team (PVORT) Audits are tentatively scheduled for the week of October 22, 1984. GSU is currently scheduling its resources to also support an October 1984 Environmental Qualification Audit. Therefore, approximately 85 percent of the RBS safety-related equipment is scheduled to be qualified and installed before the audits.

After the Staff's assessment of GSU's complete equipment qualification submittal, it is anticipated that the above scheduled audit dates will be confirmed with a letter from the Staff identifying the selected equipment to be reviewed during the SQRT and PVORT audits. To expedite the audit and review process, GSU requests a preliminary listing of equipment selected for the SQRT and PVORT audits as soon as it becomes available. GSU will work with the Staff to accommodate any informational needs.

Sincerely,



J. E. Booker
Manager-Engineering,
Nuclear Fuels & Licensing
River Bend Nuclear Group

JEB/RJK/kt

Enclosures

Enclosure 1

BOP - ELECTRICAL EQUIPMENT

ENCLOSURE 1

ENVIRONMENTAL QUALIFICATION DATA MASTER LIST
(Electrical Equipment)

Definition of Codes

EQUALST - Environmental Qualification Status

Code A - The qualification and associated documentation are complete.

Code B - The qualification testing/analysis is completed, but associated documentation is not yet submitted or is still in review.

Code C - The qualification plan/procedure is documented, but testing has not yet begun.

INSTSTAT - Installation Status

Code Y - Physical and electrical installation are completed.

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST
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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMROCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP     SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS                      INSTSTAT SFN3      QRN3
*****
  
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B21 NUCLEAR BOILER STEAM

1B21*AOVF032A	AIR OPERATED VALVE ATHOOD&MORRILL	228.218	N/R FOR SAFETY FUNCTION	AB-114-2	HARSH	Y	N/R
1B21*AOVF032B	AIR OPERATED VALVE ATHOOD & MORRILL	228.218	N/R FOR SAFETY FUNCTION	AB-114-2	HARSH	Y	N/R
1B21*MOVF001	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-5 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	BCNT - -	N/R A
1B21*MOVF002	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-5 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	BCNT - -	N/R A
1B21*MOVF005	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-2 N/R TO CLOSE	DW-1	HLBI HARSH	BCNT - -	N/R A
1B21*MOVF016	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-00-10	DW-1	HLBI HARSH	CISL - -	1 HR A -
1B21*MOVF019	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-00-10	AB-114-2	HLBO HARSH	CISL - -	1 HR A -
1B21*MOVF027A	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SHC-04-2	AB-114-2	HLBO HARSH	LCS - -	1 HR A -
1B21*MOVF027B	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SHC-04-2	AB-114-2	HLBO HARSH	LCS - -	1 HR A -
1B21*MOVF027C	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SHC-04-2	AB-114-2	HLBO HARSH	LCS - -	1 HR A -

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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B21 NUCLEAR BOILER STEAM

1B21*MOVFO27D	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-2	AB-114-2	HLBO HARSH	LCS	1 HR A -	
1B21*MOVFO65A	MOTOR OPERATED VALVE VELA, 228.212	LMTQ SMB-4-250	AB-114-7	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO65B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-4-250	AB-114-7	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO67A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SB-00-5	AB-114-2	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO67B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SB-00-5	AB-114-2	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO67C	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SB-00-5	AB-114-2	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO67D	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SB-00-5	AB-114-2	HLBO HARSH	BCNT	1 HR A -	
1B21*MOVFO85	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10	AB-114-2	HLBO HARSH	CISL	1 HR A -	
1B21*MOVFO86	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10	AB-114-7	HLBO HARSH	CISL	1 HR A -	
1B21*MOVFO98A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-4-250	AB-114-7	HARSH		1 HR A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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B21 NUCLEAR BOILER STEAM

1B21*MOV098B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-4-250	AB-114-7					1 HR A
1B21*MOV098C	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-4-250	AB-114-7					1 HR A
1B21*MOV098D	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-4-250	AB-114-7					1 HR A

B33 REACTOR RECIRC VALVE FLOW CONTROL

1B33*AOVF019	AIR OPERATED VALVE FISHER CONTROLS 247.491	FCTL,NMCO DBQ,EA180	DW-1	HLBI HARSH		BCNT	1 HR A
1B33*AOVF020	AIR OPERATED VALVE FISHER CONTROLS 247.491	FCTL,NMCO DBQ,EA180	CT-3	HLBI HARSH	Y	BCNT	1 HR A
1B33*SOVF019	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	DW-1	HLBI HARSH		BCNT	1 HR A
1B33*SOVF020	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	CT-3	HLBI HARSH		BCNT	1 HR A

CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

1CCP*MOV129	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SMB-000-5	AB-070-8				100D A
1CCP*MOV130	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SMB-000-5	AB-070-8				100D A

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1CCP*MOV138	MOTOR OPERATED VALVE VELAN	LMTQ SHB-0-25	AB-114-6	HLBO HARSH		CISL	1HR	
	228.212				Y	-	A	-
1CCP*MOV142	MOTOR OPERATED VALVE JAMESBURY	LMTQ SHB-000-2	CT-G	HARSH			1HR	
	228.243				Y		A	
1CCP*MOV143	MOTOR OPERATED VALVE JAMESBURY	LMTQ SHB-000-2	CT-G	HARSH			1HR	
	228.243				Y		A	
1CCP*MOV144	MOTOR OPERATED VALVE JAMESBURY	LMTQ SHB-000-2	DH-2	HARSH			1HR	
	228.243				Y		A	
1CCP*MOV158	MOTOR OPERATED VALVE VELAN	LMTQ SHB-0-25	CT-G	HLBI HARSH		CISL	1HR	
	228.212				Y	-	A	-
1CCP*MOV159	MOTOR OPERATED VALVE VELAN	LMTQ SHB-0-25	AB-114-6	HLBO HARSH		CISL	1HR	
	228.212				Y	-	A	-
1CCP*MOV16A	MOTOR OPERATED VALVE JAMESBURY	LMTQ SHB-000-5	AB-070-8	HARSH			1000	
	228.243				Y		A	
1CCP*MOV16B	MOTOR OPERATED VALVE JAMESBURY	LMTQ SHB-000-5	AB-070-8	HARSH			1000	
	228.243				Y		A	
1CCP*MOV163	MOTOR OPERATED VALVE VELAN	LMTQ SHB-000-2	FB-070-G	HLBO HARSH		BCNT	1000	
	228.214				Y	-	A	-
1CCP*MOV169	MOTOR OPERATED VALVE VELAN	LMTQ SHB-000-2	FB-070-G	HLBO HARSH		BCNT	1000	
	228.214				Y	-	A	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
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CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

1CCP*MOV335	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-5	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	
1CCP*MOV336	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-5	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	
1CCP*PT1A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153G37	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AA
1CCP*PT1B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153G37	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AB
1CCP*PT1C	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AC
1CCP*PT1D	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AD
1CCP*PT1E	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AE
1CCP*PT1F	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AF
1CCP*PT1G	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AG
1CCP*PT1H	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-070-8	HLBO HARSH	Y	BCNT	100D A -	47481AH

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGON  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3              QRN3
*****
```

CMS CONTAINMENT ATMOSPHERE MONITORING

1CMS*AI25A	HYDROG. ANALYZER INDICATOR COMSIP 1CMS*PNL12A	247.421	API 704S-N5-4702-0000	AB-141-1	HLBO HARSH	DISP - -	30 D A -	
1CMS*AI25B	HYDROG ANALYZER INDICATOR COMSIP 1CMS*PNL10B	247.421	API 704S-N5-4702-0000	AB-141-1	HLBO HARSH	DISP - -	30 D A -	
1CMS*AT25A	HYDROG. ANALYZER IND. TRANSM. COMSIP 1CMS*PNL10A	247.421	DELP B5 REG.G.1.97	AB-114-6	HLBO HARSH	PAM - -	30 D A -	
1CMS*AT25B	HYDROG. ANALYZER IND. TRANSM. COMSIP 1CMS*PNL10B	247.421	DELP B5 REG.G.1.97	AB-141-3	HLBO HARSH	PAM - -	30 D A -	
1CMS*LT23A	LEVEL TRANS & REMOTE SEAL ROSEMOUNT 247.481		RSMT 1153DB5PG, 1159C60A REG.G.1.97	CT-SP Y			100D A	47481AI
1CMS*LT23B	LEVEL TRANS & REMOTE SEAL ROSEMOUNT 247.481		RSMT 1153DB5PG, 1159C60A REG.G.1.97	CT-SP Y			100D A	47481AJ
1CMS*PDT29A	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	247.481	RSMT 1153DB6	AB-141-1	HLBO HARSH	PAM - -	100D A -	47481AK
1CMS*PDT29B	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	247.481	RSMT 1153DB6	AB-141-2	HLBO HARSH	PAM - -	100D A -	47481AL
1CMS*PNL10A	REMOTE CABINET COMSIP 247.421		COMS NONE,UNIQUE	AB-114-6	HLBO HARSH	PANL - -	100D A -	
1CMS*PNL10B	REMOTE CABINET COMSIP 247.421		COMS NONE,UNIQUE	AB-141-3	HLBO HARSH	PANL - -	100D A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT  SFN3      QRN3
*****
  
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CHS CONTAINMENT ATMOSPHERE MONITORING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1CHS*PNL12A	LOCAL CONTROL CAB. CONSIP	COMS NONE, UNIQUE	AB-141-1	HARSH			100D A	
	247.421							
1CHS*PNL12B	PANEL ELECTROMECHANICS		AB-141-2	HARSH			100D A	
	247.421							
1CHS*PT2A	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSMT 1153AB6 REG.G.1.97	AB-141-1	HLBO HARSH	PAH		100D A -	47481AM
	247.481				-			
1CHS*PT2B	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	RSMT 1153AL6 REG.G.1.97	AB-141-2	HLBO HARSH	PAH		100D A -	47481AN
	247.481				-			
1CHS*PT4A	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSMT 1153AB6 REG.G.1.97	AB-141-1	HLBO HARSH	PAH		100D A -	47481AO
	247.481				-			
1CHS*PT4B	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	RSMT 1153AB6 REG.G.1.97	AB-141-2	HLBO HARSH	PAH		100D A -	47481AP
	247.481				-			
1CHS*RTD24A	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP		100D A -	
	247.461				-			
1CHS*RTD24B	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP		100D A -	
	247.461				-			
1CHS*RTD24C	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP		100D A -	B
	247.461				-			
1CHS*RTD24D	RTD PYCO	PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP		100D A -	
	247.461				-			

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO         REMARKS                      INSTSTAT SFN3  QRN3
*****
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CMS CONTAINMENT ATMOSPHERE MONITORING

1CMS*RTD24E	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD24F	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD24G	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD24H	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD24J	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD24K	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	DISP	100D	
		247.461				-	A	-
1CMS*RTD40A	RTD PYCO		PYCO 122-3046-12 REG.G.1.97	CT-SP Y	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD40B	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD40C	RTD PYCO		PYCO 122-3046-12	CT-SP Y	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD40D	RTD PYCO		PYCO 122-3046-12 REG.G.1.97	CT-SP Y	HLBI HARSH	PAM	100D	
		247.461				-	A	-

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO         REMARKS     INSTSTAT SFN3      QRN3
*****
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CHS CONTAINMENT ATMOSPHERE MONITORING

1CHS*RTD41A	RTD PYCO		PYCO 122-3046-12 REG.G.1.97	DW-1	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD41B	RTD PYCO		PYCO 122-3046-12 REG.G.1.97	DW-1	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD41C	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD41D	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42A	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42B	RTD PYCO		PYCO 122-3046-12	CT-2	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42C	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42D	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42E	RTD PYCO		PYCO 122-3046-12	CT-3	HLBI HARSH	PAM - -	100D A -	
		247.461						
1CHS*RTD42F	RTD PYCO		PYCO 122-3046-12	CT-3	HLBI HARSH	PAM - -	100D A -	
		247.461						

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO         REMARKS      INSTSTAT  SFN3    QRN3
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CMS CONTAINMENT ATMOSPHERE MONITORING

1CMS*RTD42G	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD42H	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD42J	RTD PYCO		PYCO 122-3046-12	CT-3	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD42K	RTD PYCO		PYCO 122-3046-12	CT-G	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43A	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43B	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43C	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43D	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43E	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-
1CMS*RTD43F	RTD PYCO		PYCO 122-3046-12	DW-1	HLBI HARSH	PAM	100D	
		247.461				-	A	-

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC. NO.         REMARKS      INSTSTAT  SFN3      QRN3
*****
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CMS CONTAINMENT ATMOSPHERE MONITORING

1CHS*SOV31A	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	AB-114-6	HLBO HARSH	CISL PAM	30 D A -	
	247.501				-		
1CHS*SOV31B	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	AB-141-3	HLBO HARSH	CISL PAM	30 D A -	
	247.501				-		
1CHS*SOV31C	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	AB-114-6	HLBO HARSH	CISL PAM	30 D A -	
	247.501				-		
1CHS*SOV31D	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	AB-141-3	HLBO HARSH	CISL PAM	30 D A -	
	247.501				-		
1CHS*SOV32A	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		
1CHS*SOV32G	SOLENOID VALVE TARGET ROCK	TRCP 77KK-002	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		
1CHS*SOV33A	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		
1CHS*SOV33AA	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		
1CHS*SOV33B	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		
1CHS*SOV33BB	SOLENOID VALVE TARGET ROCK	TRCP 77KK-003	CT-G	HLBI HARSH	PAM	100D A -	
	247.501				-		

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP KINE GRN1
VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC GRN2
PANEL/RACK SPEC NO REMARKS INSTSTAT SFN3 GRN3

CHS CONTAINMENT ATMOSPHERE MONITORING

1CHS*SOV33U	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV33V	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM - -	100D A -
1CHS*SOV33W	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV33X	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM - -	100D A -
1CHS*SOV33Y	SOLENOID VALVE TARGET ROCK	247.501	TRCP	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV33Z	SOLENOID VALVE TARGET ROCK	247.501	TRCP	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV34A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV34B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM - -	100D A -
1CHS*SOV34C	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-G	HLBI HARSH	PAM - -	100D A -
1CHS*SOV34D	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	CT-5A	HLBI HARSH	PAM - -	100D A -

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EHRGCM EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

CMS CONTAINMENT ATMOSPHERE MONITORING

1CMS*SOV35A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-002	CT-G	HLBI HARSH	CISL PAM	30 D A -
1CMS*SOV35B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-002	CT-5A	HLBI HARSH	CISL PAM	30 D A -
1CMS*SOV35C	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-002	CT-G	HLBI HARSH	CISL PAM	30 D A -
1CMS*SOV35D	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-002	CT-G	HLBI HARSH	CISL PAM	30 D A -

CNS CONDENSATE - MAKE-UP AND DRAHOFF

1CNS*MOV125	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	AB-114-6	HLBO HARSH	CISL LCS	1HR A -
1CNS*MOV130	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-00-10	AB-114-6	HLBO HARSH	CISL LCS	1HR A -

CPM CONTAINMENT HYDROGEN MIXING

1CPM*FN1A	FAN MOTOR BUFFALO FORGE	215.400	WEST TBFC 145T	CT-G	HLBI HARSH	BCNT -	30 D A -
1CPM*FN1B	FAN MOTOR BUFFALO FORGE	215.400	WEST TBFC 145T	CT-5A	HLBI HARSH	BCNT -	30 D A -
1CPM*MOV1A	MOTOR OPERATED VALVE POSI-SEAL	228.241	LMTQ SMB-000-2	CT-G	HARSH		3 HR A

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              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC NO          REMARKS      INSTSTAT  SFN3      QRN3
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CPM CONTAINMENT HYDROGEN MINING

1CPH*MOV1B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-5A				3 HR A	
1CPH*MOV2A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPH*MOV2B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPH*MOV3A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPH*MOV3B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-5A				3 HR A	
1CPH*MOV4A	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	
1CPH*MOV4B	MOTOR OPERATED VALVE POSI-SEAL 228.241	LMTQ SMB-000-2	CT-G				3 HR A	

CPP CONTAINMENT PURGE

1CPP*MOV104	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	CT-5A	HLBI HARSH		BCNT -	N/R -	
1CPP*MOV105	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	AN-1	TRNS HARSH		BCNT -	N/R -	

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

CPP CONTAINMENT PURGE

1CPP*SOVI40	SOLENOID VALVE TARGET ROCK	TRCP 77KK-004	AB-114-6	HLBO HARSH	CISL -	100D A -
	247.501					

CSH CORE SPRAY - HIGH PRESSURE

1CSH*SOVI03	SOLENOID VALVE ATHOOD & MORRILL	WITH 1E22*AOVF005 N/R FOR SAFETY FUNCTION	DN-1	HARSH		N/R
	228.218					

CSL CORE SPRAY - LOW PRESSURE

1CSL*SOVI03	SOLENOID VALVE ATHOOD & MORRILL	WITH 1E21*AOVF006 N/R FOR SAFETY FUNCTION	DN-1	HARSH		N/R
	228.218					

C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

1C11*MOV003	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-5	FB-095-G	FHA HARSH	CISL -	1 HR A -
	228.216					

C41 STANDBY LIQUID CONTROL SYSTEM

1C41*MOV001A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-4	HLBI HARSH	BCNT -	1 HR A -
	228.216					

1C41*MOV001B	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-4	HLBI HARSH	BCNT -	1 HR A -
	228.216					

DER DRAINS - REACTOR BLDG EQUIPMENT

1DER*AOV126	AIR OPERATED VALVE FISHER CONTROLS	FCTL,NMCO ET,EA180 QUAL FOR LHTS 33-1DERB03 ONLY	CT-3	HLBI HARSH	DISP -	1HR A -
	247.491					

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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DER DRAINS - REACTOR BLDG EQUIPMENT

1DER*AOV127	AIR OPERATED VALVE FISHER CONTROLS	247.491	FCTL,NMCO ET,EA180 QUAL FOR LMTS 33-1DERA03 ONLY	FB-113-G	FHA HARSH	DISP	1HR	-	-
1DER*SOV126	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NP8320	CT-3	HLBI HARSH	CISL	1HR	-	-
1DER*SOV127	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NP8320	FB-113-G	FHA HARSH	CISL	1HR	-	-

DFR DRAINS - REACTOR PLANT FLOOR

1DFR*AOV101	AIR OPERATED VALVE FISHER CONTROLS	247.491	FCTL,NMCO ET,EA180 QUAL FOR LMTS 33-1DFRB04 ONLY	CT-3	HLBI HARSH	DISP	1HR	-	-
1DFR*AOV102	AIR OPERATED VALVE FISHER CONTROLS	247.491	FCTL,NMCO ET,EA180 QUAL FOR LMTS 33-1DFRA04 ONLY	AB-114-6	HLBO HARSH	DISP	1HR	-	-
1DFR*LT134	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	247.481	RSMT 1153DB4PG, 1159C30A	AB-070-1	HARSH		1HR	A	47481AQ
1DFR*LT135	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	247.481	RMST 1153DB4PG, 1159C30A	AB-070-2	HARSH		1HR	A	47481AR
1DFR*LT136	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	247.481	RSMT 1153DB4PG, 1159C30A	AB-070-3	HARSH		1HR	A	47481AS
1DFR*LT137	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT	247.481	RSMT 1153DB4PG, 1159C30A	AB-070-4	HARSH		1HR	A	47481AT

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1
VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

DFR DRAINS - REACTOR PLANT FLOOR

1DFR*LT138	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT 247.481	RSMT 1153DB4PG, 1159C30A	AB-070-5	HLBO HARSH	DISP	1HR A	47481AU
1DFR*LT139	LEVEL TRANSM & REMOTE SEAL ROSEMOUNT 247.481	RSMT 1153DB4PG, 1159C30A	AB-070-6	HLBO HARSH	DISP	1HR A	47481AV
1DFR*SOV101	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	CT-3	HLBI HARSH	CISL - A -	1HR A -	
1DFR*SOV102	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP 8320	AB-114-6	HLBO HARSH	CISL - A -	1HR A -	

EHS MOTOR CONTROL CENTER STANDBY SYSTEM

1EHS*MCC2A	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-4	HLBO HARSH	EMFW - A -	1000 A -	
1EHS*MCC2B	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-2	HLBO HARSH	EMFW - A -	1000 A -	
1EHS*MCC2C	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-4	HLBO HARSH	EMFW - A -	1000 A -	
1EHS*MCC2D	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-141-2	HLBO HARSH	EMFW - A -	1000 A -	
1EHS*MCC2E	STANDBY MOTOR CONTROL CENTERS GOULD INC 242.562	GLDI SERIES 5600	AB-114-1	HLBO HARSH	EMFW - A -	1000 A -	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3  QRN3
*****
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ENS SHGR STANDBY 4160V - SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1ENS*SHG3A	SWITCHGEAR GOULD-BROWN BOVERI		FB-095-G				1HR A	
	242.521			HARSH	Y			
1ENS*SHG3B	SWITCHGEAR GOULD-BROWN BOVERI		AB-114-6				1HR A	
	242.521			HARSH	Y			
1ENS*SHG4A	SWITCHGEAR GOULD-BROWN BOVERI		FB-095-G				1HR A	
	242.521			HARSH	Y			
1ENS*SHG4B	SWITCHGEAR GOULD-BROWN BOVERI		AB-114-6				1HR A	
	242.521			HARSH	Y			

E12 RESIDUAL HEAT REMOVAL

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1E12*AOVF041A	AIR OPERATED VALVE		DH-1				N/R	
	228.218	N/R FOR SAFETY FUNCTION		HARSH	Y			
1E12*AOVF041B	AIR OPERATED VALVE		DH-1				N/R	
	228.218	N/R FOR SAFETY FUNCTION		HARSH	Y			
1E12*AOVF041C	AIR OPERATED VALVE		DH-1				N/R	
	228.218	N/R FOR SAFETY FUNCTION		HARSH	Y			
1E12*AOVF098	AIR OPERATED VALVE		AB-095-5				N/R	
	228.218	N/R FOR SAFETY FUNCTION		HARSH				
1E12*NOVF003A	MOTOR OPERATED VALVE VELAN	LHTQ	AB-070-2	HLBO HARSH		RHR -	100D A	
	228.212							

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER      ENV. ZONE      EMRGCN      EQUALST      SFN1      OP TIME      QRN1
              VENDOR                      MODEL/CATALOG NO.      SUBMRG          ENV'T /P      SFN2      OC          QRN2
              PANEL/RACK                SPEC.NO                REMARKS          INSTSTAT      SFN3          QRN3
*****
  
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E12 RESIDUAL HEAT REMOVAL

1E12*MOV00JB	MOTOR OPERATED VALVE VELAN 228.212	LMTQ	AB-070-5	HLBO HARSH	RHR - -	1000 A -
1E12*MOV004A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25 N/R FOR SAFETY FUNCTION	AB-070-8	HLBO HARSH	RHR - -	N/R - -
1E12*MOV004B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25 N/R FOR SAFETY FUNCTION	AB-070-7	HLBO HARSH	RHR - -	N/R - -
1E12*MOV006A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25 N/R FOR SAFETY FUNCTION	AB-070-2	HLBO HARSH	RHR - -	N/R - -
1E12*MOV006B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25 N/R FOR SAFETY FUNCTIONS	AB-070-5	HLBO HARSH	RHR - -	N/R A -
1E12*MOV008	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-2-60 N/R FOR SAFETY FUNCTION	AB-114-2	HLBO HARSH	RHR - -	N/R - -
1E12*MOV009	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-2-60 N/R FOR SAFETY FUNCTIONS	OW-1	HLBO HARSH	RHR - -	N/R - -
1E12*MOV011A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-5 N/R FOR SAFETY FUNCTION	AB-095-8	HLBO HARSH	RHR - -	N/R - -
1E12*MOV011B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-5 N/R FOR SAFETY FUNCTION	AB-095-7	HLBO HARSH	RHR - -	N/R - -
1E12*MOV021	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-3-60 N/R FOR SAFETY FUNCTION	AB-095-7	HLBO HARSH	RHR - -	N/R - -

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    INSTSTAT SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS                                     SFN3      QRN3
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E12 RESIDUAL HEAT REMOVAL

1E12*MOV023	MOTOR OPERATED VALVE VELAN	LHTQ SB-005-5 N/R FOR SAFETY FUNCTION	AB-095-4	HLBO HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV024A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-60	AB-095-8	HLBO HARSH	RHR	100D	-
	228.212				-	A	-
1E12*MOV024B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-60	AB-095-7	HLBO HARSH	RHR	100D	-
	228.212				-	A	-
1E12*MOV026A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-00-10 N/R FOR SAFETY FUNCTION	AB-070-2	HLBO HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV026B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-00-10 N/R FOR SAFETY FUNCTION	AB-070-5	HLBO HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV027A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-0-40 N/R FOR SAFETY FUNCTION	AB-114-6	HLBO HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV027B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-0-40 N/R FOR SAFETY FUNCTION	AB-114-5	HLBO HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV037A	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-25 N/R FOR SAFETY FUNCTION	CT-G	HLBI HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV037B	MOTOR OPERATED VALVE VELAN	LHTQ SMB-1-25 N/R FOR SAFETY FUNCTION	CT-G	HLBI HARSH	RHR	N/R	-
	228.212				-		
1E12*MOV040	MOTOR OPERATED VALVE VELAN	LHTQ SB-005-15 N/R FOR SAFETY FUNCTION	AB-070-2	HLBO HARSH	RHR	N/R	-
	228.212				-		

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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	PANEL/RACK	SPEC. NO	REMARKS	NAME/MANUFACTURER	ENV. ZONE	ENVIRGN	EQUALST	SFNI	OP TIME	QRN1	QRN2	QRN3
						MODEL/CATALOG NO.	SUBMRG	ENVTP	INSTSTAT	SFNI	OC			

E12 RESIDUAL HEAT REMOVAL														
1E12*MOV042A	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SB-2-60	CT-6	HLBI	HARSH	RHR	100D	A	-	-
1E12*MOV042B	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SB-2-60	CT-6	HLBI	HARSH	RHR	100D	A	-	-
1E12*MOV042C	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SB-2-60	AS-114-5	HLBO	HARSH	RHR	100D	A	-	-
1E12*MOV047A	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-1-40	AS-095-2	HLBO	HARSH	RHR	100D	A	-	-
1E12*MOV047B	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-1-40	AS-095-5	HLBO	HARSH	RHR	100D	A	-	-
1E12*MOV048A	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-3-60	AB-070-2	HLBO	HARSH	RHP	100D	A	-	-
1E12*MOV048B	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-3-60	AB-070-5	HLBO	HARSH	RHR	100D	A	-	-
1E12*MOV049	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SB-005-15	AS-070-2	HLBO	HARSH	RHR	N/R	-	-	-
1E12*MOV052A	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-2-40	AS-114-8	HLBO	HARSH	RHR	N/R	-	-	-
1E12*MOV052B	MOTOR OPERATED VALVE	VELAN		228.212	LMTQ	SHB-2-40	AS-114-8	HLBO	HARSH	RHR	N/R	-	-	-

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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	PANEL/RACK	SPEC. NO	REMARKS	MODEL/CATALOG NO.	SUBIRG	ENV. ZONE	ENHGCN	EQUALST	SFNI	OP TIME	QSN1	QSN2	QSN3	
									ENVTP	INSTSTAT	SFN2	OC				

E12	RESIDUAL HEAT REMOVAL															
1E12*NOVF053A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SIB-3-80 N/R FOR SAFETY FUNCTION	AB-095-2		HLBO HARSH		RHR	N/R				
1E12*NOVF053B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SIB-3-80 N/R FOR SAFETY FUNCTION	AB-095-5		HLBO HARSH		RHR	N/R				
1E12*NOVF064A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SB-00S-10	AB-070-2		HLBO HARSH		RHR	100D A				
1E12*NOVF064B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SB-00S-10	AB-070-5		HLBO HARSH		RHR	100D A				
1E12*NOVF064C	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SB-00S-10	AB-070-4		HLBO HARSH		RHR	100D A				
1E12*NOVF068A	MOTOR OPERATED VALVE	JAMESBURY		228.243		LMTQ SIB-00-10	PT-3		HLBO HARSH		RHR	100D A				
1E12*NOVF068B	MOTOR OPERATED VALVE	JAMESBURY		228.243		LMTQ SIB-00-10	PT-3		HLBO HARSH		RHR	100D A				
1E12*NOVF073A	MOTOR OPERATED VALVE	VELAN		228.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-9		HLBO HARSH		RHR	N/R				
1E12*NOVF073B	MOTOR OPERATED VALVE	VELAN		228.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-7		HLBO HARSH		RHR	N/R				
1E12*NOVF074A	MOTOR OPERATED VALVE	VELAN		228.214		LMTQ SIB-000-2 N/R FOR SAFETY FUNCTION	AB-095-2		HLBO HARSH		RHR	N/R				

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCH EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

E12 RESIDUAL HEAT REMOVAL

1E12*MOV074B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2 N/R FOR SAFETY FUNCTION	AB-095-5	HLBO HARSH	RHR - -	N/R - -
1E12*MOV087A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-2-40 N/R FOR SAFETY FUNCTION	AB-114-8	HLBO HARSH	RHR - -	N/R - -
1E12*MOV087B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-2-40 N/R FOR SAFETY FUNCTION	AB-114-8	HLBO HARSH	RHR - -	N/R - -
1E12*MOV094	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	AB-070-5	HLBO HARSH	RHR - -	100D A -
1E12*MOV096	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25	AB-070-5	HLBO HARSH	RHR - -	100D A -
1E12*MOV105	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-25 N/R FOR SAFETY FUNCTION	AB-070-7	HLBO HARSH	RHR - -	N/R A -
1E12*PC003	RHR ECCS SUBSYSTEM FILL PUMP GOULDS PUMPS 237.160	WEST FRAME 184T - TEFC	AB-070-4	HLBO HARSH	RHR - -	100D A -
1E12*SOVF051A	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NPB320	AB-114-8	HARSH		100D
1E12*SOVF051B	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NPB320	AB-114-8	HARSH		100D
1E12*SOVF060A	SOLENOID VALVE TARGET ROCK 247.501	TRCP 77HK-001	AB-070-2	HLBO HARSH	RHR BCNT	100D A

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

E12 RESIDUAL HEAT REMOVAL

1E12*SOVF060B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-001	AB-070-5	HLBO HARSH	Y	RHR BCNT	100D A
1E12*SOVF065A	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NPB320	AB-070-5	HARSH			100D A
1E12*SOVF065B	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO NPB320	AB-070-5	HARSH			100D A
1E12*SOVF075A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-001	AB-070-2	HLBO HARSH	Y	RHR BCNT	100D A
1E12*SOVF075B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-001	AB-070-5	HLBO HARSH	Y	RHR BCNT	100D A
1E12*SOVF095	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-001	AB-070-5	TR HARSH	Y	LTR	100D A

E21 CORE SPRAY - LOW PRESSURE

1E21*AOVF006	AIR OPERATED VALVE ATHOOD & MORRILL	228.218	N/R FOR SAFETY FUNCTION	DW-1	HARSH	Y		N/R
1E21*MOVF001	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SHB-0-25	AB-070-6	HLBO HARSH		LPCS	N/R
1E21*MOVF005	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-2-60	AB-114-6	HLBO HARSH		LPCS	100D A

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

E33 MAIN STEAM ISOLATION VALVE SEALS

1E33*MOV025	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SHB-000-5	AB-114-3	HLBO HARSH	LCS - -	100D A -
1E33*MOV026	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SHB-000-7	AB-114-3	HLBO HARSH	LCS - -	100D A -
1E33*MOV027	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SHB-000-5	AB-114-7	HLBO HARSH	LCS - -	100D A -
1E33*MOV028	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SHB-000-5	AB-114-7	HLBO HARSH	LCS - -	100D A -
1E33*PVF002	CONTROL VALVE FISHER CONTROLS 247.497	FCTL, BORG EC ELECTRONICS(CB-116-2)	AB-114-6	HLBO HARSH	LCS A	30 D A
1E33*PVF022	CONTROL VALVE FISHER CONTROLS 247.497	FCTL, BORG EC ELECTRONICS(CB-116-2)	AB-114-3	HLBO HARSH	LCS A	30 D A
1E33*SOV014	SOLENOID VALVE TARGET ROCK 247.501	TRCP 77HK-005	AB-141-4	HLBO HARSH	LCS BCNT	30 D A
1E33*SOV034	SOLENOID VALVE TARGET ROCK 247.501	TRCP 77HK-005	AB-141-8	HLBO HARSH	LCS BCNT	30 D A

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E51 REACTOR CORE ISOLATION COOLING SYSTEM

1E51*AOV004	CONTROL VALVE FISHER CONTROLS 247.491	FCTL, NMCO ES, EA180 QUAL FOR LMTS ONLY	AB-070-3	HLBO HARSH	DISP A	70 M A
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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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E51 REACTOR CORE ISOLATION COOLING SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQU3LST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1E51*AOVF005	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO ES, EA180	AB-070-3	HLBO HARSH		DISP	70 M A	
		247.491	QUAL FOR LMTS ONLY		Y			
1E51*AOVF025	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180	AB-070-3	HLBO HARSH		DISP	70 M A	
		247.491	QUAL FOR LMTS ONLY		Y			
1E51*AOVF026	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180	AB-070-3	HLBO HARSH		DISP	70 M A	
		247.491	QUAL FOR LMTS ONLY		Y			
1E51*AOVF054	CONTROL VALVE FISHER CONTROLS	FCTL,NMCO DBQ, EA180	AB-070-3	HLBO HARSH		DISP	70 M A	
		247.491	QUAL FOR LMTS ONLY		Y			
1E51*AOVF065	AIR OPERATED VALVE ATHOOD & MORRILL		AB-114-2				N/R	
		228.218	N/R FOR SAFETY FUNCTION	HARSH	Y			
1E51*AOVF066	AIR OPERATED VALVE ATHOOD & MORRILL		DW-4				N/R	
		228.218	N/R FOR SAFETY FUNCTION	HARSH				
1E51*MOV010	MOTOR OPERATED VALVE VELAN	LMTQ SMB-00-10	AB-070-3	HLBO HARSH		RCIC	N/R	
		228.212	N/R FOR SAFETY FUNCTION			-	-	
1E51*MOV013	MOTOR OPERATED VALVE VELAN	LMTQ SMB-0-40	AB-095-4	HLBO HARSH		RCIC	1 HR A	
		228.212				-	-	
1E51*MOV019	MOTOR OPERATED VALVE VELAN	LMTQ SMB-00-10	AB-095-6	HLBO HARSH		RCIC	N/R	
		228.214	N/R FOR SAFETY FUNCTION			-	-	
1E51*MOV022	MOTOR OPERATED VALVE VELAN	LMTQ SMB-0-10	AB-070-3	HLBO HARSH		RCIC	1 HR A	
		228.212				-	-	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP              SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS              INSTSTAT SFN3              QRN3
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E51 REACTOR CORE ISOLATION COOLING SYSTEM

1E51*MOV031	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10	AB-070-8	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV045	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-10	AB-070-3	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV046	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-00-5	AB-070-3	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV059	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-10	AB-070-3	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV063	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-1-60	CT-9	HLBI HARSH	RCIC	1 HR - A -
1E51*MOV064	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-1-60	AB-114-2	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV068	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	AB-095-7	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV076	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2 N/R FOR SAFETY FUNCTION	DW-2	HLBI HARSH	RCIC	N/R - -
1E51*MOV077	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2	AB-095-7	HLBO HARSH	RCIC	1 HR - A -
1E51*MOV078	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-2	AB-095-6	HLBO HARSH	RCIC	1 HR - A -

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG    ENVTP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS    INSTSTAT SFN3      QRN3
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ESI REACTOR CORE ISOLATION COOLING SYSTEM

1E51*PCVF015	PRESSURE CONTROL VALVE TARGET ROCK		AB-070-3				70 M A	
	247.501			HARSH				
1E51*PC003	RCIC SUBSYSTEM FILL PUMP GOULDS PUMPS	WEST FRAME 213T - TEFC	AB-070-3	HLBO HARSH		RCIC	70 M A -	
	237.160							
1E51*SOVF004	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC	70M A A	
	247.491							
1E51*SOVF005	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC	70 M A A	
	247.491							
1E51*SOVF025	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC	70 M A A	
	247.491							
1E51*SOVF026	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC	70 M A A	
	247.491							
1E51*SOVF054	SOLENOID VALVE FISHER CONTROLS	ASCO NP8320	AB-070-3	HLBO HARSH		RCIC	70 M A A	
	247.491							

FPW FIRE PROTECTION - WATER

1FPW*MOV121	MOTOR OPERATED VALVE VELAN	LHTQ SHB-00-10	AB-141-3	HLBO HARSH		CISL	1 HR A -	
	228.212							
1FPW*MOV122	MOTOR OPERATED VALVE VELAN	LHTQ SHB-00-10	AB-141-3	HLBO HARSH		CISL	1 HR A -	
	228.212							

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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FWS FEEDWATER SYSTEM

1FWS#MOV7A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-9-200	AB-114-7	HLBO HARSH	MSI	1HR	
	228.212				-	A	-
1FWS#MOV7B	MOTOR OPERATE VALVE VELAN	LMTQ SMB-9-200	AB-114-7	HLBO HARSH	MSI	1HR	
	228.212				-	A	-

GTS GAS TREATMENT STANDBY

1GTS#AOD1A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD1B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD21A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD21B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	
	215.480				-	A	-
1GTS#AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	
	215.480				-	A	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQVALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRS    ENVTYP  INSTSTAT SFN2  CC       QRN2
              PANEL/RACK                  SPEC.NO         REMARKS                                     SFN3  QRN3
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GTS GAS TREATMENT STANDBY

1GTS*AO023B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	-	-
1GTS*AO03A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	-	-
1GTS*AO03B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	-	-
1GTS*AO04A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-5	HLBO HARSH	DISP	1000	-	-
1GTS*AO04B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	NMCO EA740	AB-141-6	HLBO HARSH	DISP	1000	-	-
1GTS*FE24A	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	AB-141-5	HARSH		1000		A
1GTS*FE24B	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	AB-141-6	HARSH		1000		A
1GTS*FN1A	FAN MOTOR BUFFALO FORGE	215.400	WEST	AB-141-5	HLBO HARSH	SGTS	1000	-	-
1GTS*FN1B	FAN MOTOR BUFFALO FORGE	215.400	WEST	AB-141-6	HLBO HARSH	SGTS	1000	-	-
1GTS*FN2A	FAN MOTOR BUFFALO FORGE	215.400	WEST TBFC 143T	AB-141-5	HLBO HARSH	SGTS	1000	-	-

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REHARKS INSTSTAT SFN3 QRN3

GTS GAS TREATMENT STANDBY

1GTS*FN2B	FAN MOTOR BUFFALO FORGE	215.400	WEST TBFC 143T	AB-141-6	HLBO HARSH	SGTS - -	100D A -	
1GTS*FS2A	FLOW SWITCH AMERICAN AIR FILTER	225.220		AB-141-5	HARSH		100D A	
1GTS*FS2B	FLOW SWITCH AMERICAN AIR FILTER	225.220		AB-141-6	HARSH		100D A	
1GTS*FS24A	FLOW SWITCH NOT YET PURCHASED	247.433	FCI FP72-4R	AB-141-5	HLBO HARSH	SGTS - -	100D A -	
1GTS*FS24B	FLOW SWITCH NOT YET PURCHASED	247.433	FCI FP72-4R	AB-141-6	HLBO HARSH	SGTS - -	100D A -	
1GTS*PT15A	PRESSURE TRANSMITTER ROSEMOUNT	247.461	RSMT 1153GB3	AB-141-5	HARSH		100D A	47481AH
1GTS*PT15B	PRESSURE TRANSMITTER ROSEMOUNT	247.461	RSMT 1153GB3	AB-141-6	HARSH		100D A	47481AX
1GTS*RTD18A	RTD PYCO	247.461	PYCO 122-4030-04	AB-141-5	HLBO HARSH	SGTS - -	100D A -	
1GTS*RTD18B	RTD PYCO	247.461	PYCO 122-4030-04	AB-141-6	HLBO HARSH	SGTS - -	100D A -	
1GTS*RTD27A	RTD PYCO	247.461	PYCO 122-4030-04	AB-141-5	HLBO HARSH	SGTS - -	100D A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGLN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  CC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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GTS GAS TREATMENT STANDBY

1GTS*RTD27B	RTD PYCO		PYCO 122-4030-04	AB-141-6	HLBO HARSH	SGTS	100D	
		247.461				-	A	-
1GTS*SOV1A	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-5	HARSH		100D	
		215.480					A	
1GTS*SOV1B	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-6	HARSH		100D	
		215.480					A	
1GTS*SOV21A	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-5	HARSH		100D	
		215.480					A	
1GTS*SOV21B	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-6	HARSH		100D	
		215.480					A	
1GTS*SOV22A	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-5	HARSH		100D	
		215.480					A	
1GTS*SOV22B	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-6	HARSH		100D	
		215.480					A	
1GTS*SOV23A	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-5	HARSH		100D	
		215.480					A	
1GTS*SOV23B	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-6	HARSH		100D	
		215.480					A	
1GTS*SOV3A	SOLENOID VALVE QUALITY AIR DESIGN		ASCO NP8321A5E	AB-141-5	HARSH		100D	
		215.480					A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP      SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT  SFN3      QRN3
*****
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GTS GAS TREATMENT STANDBY

1GTS*SOV3B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		100D A	
1GTS*SOV4A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-5	HARSH		100D A	
1GTS*SOV4b	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		100D A	
1GTS*TS35A	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-5	HARSH		100D A	
1GTS*TS35B	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-6	HARSH		100D A	
1GTS*TS5A	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-5	HARSH		100D A	
1GTS*TS5B	TEMPERATURE SWITCH AMERICAN AIR FILTER	225.220		AB-141-6	HARSH		100D A	

G33 REACTOR WATER CLEAN-UP

1G33*MOV001	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-1-25	DN-1	HLBI HARSH	ESA CISL	1 HR A -	
1G33*MOV004	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SB-1-40	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT  SFN3      QRN3
*****
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633 REACTOR WATER CLEAN-UP

1G33*MOV028	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-005-10	CT-7	HLBI HARSH	ESA CISL	1 HR A -	
1G33*MOV031	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -	
1G33*MOV034	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-005-10	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -	
1G33*MOV035	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-0-7.5 N/R FOR SAFETY FUNCTION	AB-114-7	HLBO HARSH	ESA -	N/R -	
1G33*MOV039	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-0-25	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -	
1G33*MOV040	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-0-25	CT-7	HLBI HARSH	ESA CISL	1 HR A -	
1G33*MOV042	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-1-25 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -	
1G33*MOV044	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -	
1G33*MOV046	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-0-7.5 N/R FOR SAFETY FUNCTION	AB-114-7	HLBO HARSH	ESA -	N/R -	
1G33*MOV053	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-0-15	CT-7	HLBI HARSH	ESA CISL	1 HR A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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G33 REACTOR WATER CLEAN-UP

1G33*MOVFO54	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SB-0-15	AB-114-2	HLBO HARSH	ESA CISL	1 HR A -
1G33*MOVFI00	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVFI01	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVFI02	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVFI04	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-10 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -
1G33*MOVFI06	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-15 N/R FOR SAFETY FUNCTION	DW-1	HLBI HARSH	ESA -	N/R -
1G33*MOVFI07	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-1-15 N/R FOR SAFETY FUNCTION	CT-7	HLBI HARSH	ESA -	N/R -
1G33*SOVFO41	SOLENOID VALVE TARGET ROCK 247.501	TRCP1 77KK-001	AB-114-2	HLBO HARSH		1 HR A

HCS HYDROGEN RECOMBINER

1HCS*PWR51A	POWER SOURCE PANEL WESTINGHOUSE 224.520	WEST MODEL B	AB-141-1	HLBO HARSH	PANL EMPH	30 A -
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 VENDOR MODEL/CATALOG NO. SUBHRS ENVTP SFN2 OC QRN2
 PANEL/RACK SPEC. NO REMARKS INST. STAT SFN3 QRN3

HCS HYDROGEN RECOMBINER

1HCS*PWS1B	POWER SOURCE PANEL WESTINGHOUSE	224.520	WEST MODEL B	AB-141-2	HLBO HARSH	PANL 30 EMPW A -
1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	WEST MODEL B	CT-G	HLBI HARSH	GCNT 30 - A -
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	WEST MODEL B	CT-SA	HLBI HARSH	GCNT 30 - A -
1HCS*T/C4A	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-G	HARSH	
1HCS*T/C4B	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-SA	HARSH	
1HCS*T/C5A	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-G	HARSH	
1HCS*T/C5B	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-SA	HARSH	
1HCS*T/C6A	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-G	HARSH	
1HCS*T/C6B	THERMOCOUPLE WESTINGHOUSE	224.520	CHROMELALUMEL TYPE K	CT-SA	HARSH	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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HVF VENTILATION - FUEL BUILDING

1HVF#A0D102	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-G	FHA HARSH	DISP	1 HR	
	215.480				-	A	-
1HVF#A0D104	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-G	FHA HARSH	DISP	1 HR	
	215.480	REG.G.1.97			-	A	-
1HVF#A0D112	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-G	FKA HARSH	DISP	1 HR	
	215.480				-	A	-
1HVF#A0D137	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-G	FHA HARSH	DISP	1 HR	
	215.480	REG.G.1.97			-	A	-
1HVF#A0D20A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-
1HVF#A0D20B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-
1HVF#A0D3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-
1HVF#A0D3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-
1HVF#A0D31A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-
1HVF#A0D31B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR	
	215.480				-	A	-

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENGIGN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUB'RG     ENV'TYP  SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
  
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HVF VENTILATION - FUEL BUILDING

1HVF*A0033A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-
	215.480						
1HVF*A0033B	AIR OPERATED DAMPER QUALITY AIR DESIGN	ASCO,NMCO NP8321,EA740	FB-148-1	FHA HARSH	DISP	24 HR A	-
	215.480						
1HVF*FE109	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-2	HARSH		24 HR A	
	247.433						
1HVF*FE32A	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-1	HARSH		24 HR A	
	247.433						
1HVF*FE32B	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	FB-148-1	HARSH		24 HR A	
	247.433						
1HVF*FN3A	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH	HVAC	24 HR A	-
	215.400						
1HVF*FN3B	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH	HVAC	24 HR A	-
	215.400						
1HVF*FN7A	FAN MOTOR BUFFALO FORGE	WEST	FB-148-1	FHA HARSH	HVAC	24 HR A	-
	215.400						
1HVF*FN7B	FAN MOTOR BUFFALO FORGE	WEST TBFC 143T	FB-148-1	FHA HARSH	HVAC	24 HR A	-
	215.400						
1HVF*FS109	FLOW SWITCH FLUID COMPONENTS		FB-148-2	FHA HARSH	HVAC	24 HR A	-
	247.433						

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME GRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC GRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 GRN3

HVF VENTILATION - FUEL BUILDING

1HVF*FS19A	FLOW SWITCH AMERICAN AIR FILTER 225.220	FCI FR72-4R	FB-148-1	HARSH		100D A	
1HVF*FS19B	FLOW SWITCH AMERICAN AIR FILTER 225.220		FB-148-1	HARSH		100D A	
1HVF*FS32A	FLOW SWITCH FLUID COMPONENTS 247.433	FCI FR72-4R	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	
1HVF*FS32B	FLOW SWITCH FLUID COMPONENTS 247.433	FCI FR72-4R	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	
1HVF*PT38A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB3	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	47481AY
1HVF*PT38B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB3	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	47481AZ
1HVF*RTD1A	RTD PYCO 247.461	PYCO 122-4030-04	FB-148-G	FHA HARSH	HVAC - -	24 HR A -	
1HVF*RTD1B	RTD PYCO 247.461	PYCO 122-4030-04	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	
1HVF*RTD30A	RTD PYCO 247.461	PYCO 122-4030-04	FB-148-G	FHA HARSH	HVAC - -	24 HR A -	
1HVF*RTD30B	RTD PYCO 247.461	PYCO 122-4030-04	FB-148-1	FHA HARSH	HVAC - -	24 HR A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCM  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT  SFN3    QRN3
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HVF VENTILATION - FUEL BUILDING

1HVF*SOV102	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-G	HARSH		1 HR A	
1HVF*SOV104	SOLENOID VALVE QUALITY AIR DESIGN	215.400	ASCO NP8321A5E	FB-148-G	HARSH		1 HR A	
1HVF*SOV112	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-G	HARSH		1 HR A	
1HVF*SOV137	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-G	HARSH		1 HR A	
1HVF*SOV20A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	
1HVF*SOV20B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	
1HVF*SOV3A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	
1HVF*SOV3B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	
1HVF*SOV31A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	
1HVF*SOV31B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	FB-148-1	HARSH		24 HR A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUB G      ENVTYP      SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS                      INSTSTAT SFN3      QRN3
*****
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HVF VENTILATION - FUEL BUILDING

1HVF*SOV33A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	FB-148-1					24 HR A
1HVF*SOV33B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	FB-148-1					24 HR A
1HVF*TS23A	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1					100D A
1HVF*TS23B	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1					100D A
1HVF*TS5A	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1					100D A
1HVF*TS5B	TEMPERATURE SWITCH AMERICAN AIR FILTER 225.220		FB-148-1					100D A
1HVF*TT30A	TEMP TRANSMITTER ELECTROMECHANICS 242.444		FB-148-1					24 HR A
1HVF*TT30B	TEMP TRANSMITTER ELECTROMECHANICS 242.444		FB-148-1					24 HR A

HVN CHILLED WATER - VENTILATION

1HVN*MOV102	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	CT-G	NORM HARSH		HVAC -	1 HR A	-
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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP              SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS              INSTSTAT SFN3              QRN3
*****
  
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HVN CHILLED WATER - VENTILATION

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1HVN*MOV127	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	AB-141-4	NORM HARSH		HVAC	1 HR A -	
					Y	-		
1HVN*MOV128	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	AB-141-4	NORM HARSH		HVAC	1 HR A -	
					Y	-		
1HVN*MOV129	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	AB-141-4	NORM HARSH		HVAC	1 HR A -	
					Y	-		
1HVN*MOV130	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-15	AB-141-4	NORM HARSH		HVAC	1 HR A -	
					Y	-		
1HVN*MOV22A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10	CT-G	NORM HARSH		HVAC	1 HR A -	
						-		
1HVN*MOV22B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-00-10	CT-G	NORM HARSH		HVAC	1 HR A -	
						-		
1HVN*SOV5A	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	CT-G	HLBI HARSH		BCNT	1 HR A -	
						-		
1HVN*SOV5B	SOLENOID VALVE FISHER CONTROLS 247.491	ASCO NP8320	CT-G	HLBI HARSH		BCNT	1 HR A -	
						-		
1HVN*TV5A	CONTROL VALVE FISHER CONTROLS 247.491	FCTL,NMCO ED,EA180	CT-G	HLBI HARSH		BCNT	1 HR A -	
						-		
1HVN*TV5B	CONTROL VALVE FISHER CONTROLS 247.491	FCTL,NMCO ED,EA180	CT-G	HLBI HARSH		BCNT	1 HR A -	
						-		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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HVR VENTILATION - REACTOR PLANT

1HVR-AOD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD142	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD143	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-1	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD161	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD162	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD164	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-1	HLBO HARSH	DISP	1 HR	-	A	-
1HVR-AOD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	100D	-	A	-
1HVR-AOD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740	AB-141-2	HLBO HARSH	DISP	100D	-	A	-
1HVR-AOD214	AIR OPERATED DAMPER QUALITY AIR DESIGN 215.480	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH	DISP	1 HR	-	A	-

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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HVR VENTILATION - REACTOR PLANT

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1HVR*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-3	HLBO HARSH		DISP	100D	
	215.480				Y	-	A -	
1HVR*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-3	HLBO HARSH		DISP	100D	
	215.480					-	A -	
1HVR*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-2	HLBO HARSH		DISP	1 HR	
	215.480					-	A -	
1HVR*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-2	HLBO HARSH		DISP	1 HR	
	215.480					-	A -	
1HVR*AOD245	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-2	HLBO HARSH		DISP	1 HR	
	215.480				Y	-	A -	
1HVR*AOD249	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740	AB-141-2	HLBO HARSH		DISP	1 HR	
	215.480					-	A -	
1HVR*AOD261	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740 REG.G.1.97	AB-141-6	HLBO HARSH		DISP	1 HR	
	215.480					-	A -	
1HVR*AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740 REG.G.1.97	AB-141-6	HARSH			1 HR	
	215.480						A	
1HVR*AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740 REG.G.1.97	AB-141-5	HARSH			1 HR	
	215.480						A	
1HVR*AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN	NMCO EA740 REG.G.1.97	AB-141-5	HARSH			1 HR	
	215.480						A	

[illegible]

HVR VENTILATION - REACTOR PLANT

ITEM NO	DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE	MANUFACTURER	PART NO	REMARKS	DISP	1000
1HVR*AO051A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			NMCO EA740	AB-141-1	HLBO HARSH	DISP -	1000 A
1HVR*AO051B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			NMCO EA740	AB-141-2	HLBO HARSH	DISP -	1000 A
1HVR*AO053A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			NMCO EA740	AB-170-1	HLBO HARSH	DISP -	1000 A
1HVR*AO053B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			NMCO EA740	AB-170-1	HLBO HARSH	DISP -	1000 A
1HVR*AOV123	AIR OPERATED VALVE POSI-SEAL	228.241				CT-G	HARSH		1 HR A
1HVR*AOV125	AIR OPERATED VALVE POSI-SEAL	228.241			NAMCO EA740-50100	CT-G	HARSH		1 HR A
1HVR*AOV126	AIR OPERATED VALVE POSI-SEAL	228.241			NAMCO EA740-50100	CT-5A	HARSH		1 HR A
1HVR*AOV128	AIR OPERATED VALVE POSI-SEAL	228.241			NAMCO EA740-50100	CT-5A	HARSH		1 HR A
1HVR*AOV147	AIR OPERATED VALVE POSI-SEAL	228.241			NAMCO EA740-50100	CT-G	HARSH		1 HR A
1HVR*AOV148	AIR OPERATED VALVE POSI-SEAL	228.241			NAMCO EA740-50100	CT-5A	HARSH		1 HR A

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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HVR VENTILATION - REACTOR PLANT

1HVR*AOV165	AIR OPERATED VALVE POSI-SEAL	228.241	NAHCO EA740-50100	AB-141-4	HARSH		1 HR A	
1HVR*AOV166	AIR OPERATED VALVE POSI-SEAL	228.241	NAHCO EA740-50100	AB-141-3	HARSH		1 HR A	
1HVR*FE111	FLOW ELEMENT FLUID COMPONENT	247.433	FCI FR72-4R	AB-141-1	HARSH	Y	100D A	
1HVR*FE113	FLOW ELEMENT FLUID COMPONENT	247.433	FCI FR72-4R	AB-141-2	HARSH		100D A	
1HVR*FE163	FLOW ELEMENT FLUID COMPONENT	247.433	FCI FR72-4R	AB-141-2	HARSH		100D A	
1HVR*FE28A	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	CT-G	HARSH		100D A	
1HVR*FE28B	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	CT-G	HARSH		100D A	
1HVR*FE28C	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	CT-G	HARSH		100D A	
1HVR*FE29A	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI FR72-4R	AB-170-1	HARSH		100D A	
1HVR*FE29B	FLOW ELEMENT FLUID COMPONENTS	247.433	FCI F272-4R	AB-170-1	HARSH		100D A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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HVR VENTILATION - REACTOR PLANT

1HVR*FE56A	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	AB-141-2	HARSH		100D A		
	247.433							
1HVR*FE56B	FLOW ELEMENT FLUID COMPONENTS	FCI F272-4R	AB-141-2	HARSH		100D A		
	247.433							
1HVR*FN11A	FAN MOTOR BUFFALO FORGE	WEST TBDP 445TS	AB-170-1	HLBO HARSH	HVAC	100D A	-	
	215.400							
1HVR*FN11B	FAN MOTOR BUFFALO FORGE	WEST TBDP 445TS	AB-170-1	HLBO HARSH	HVAC	100D A	-	
	215.400							
1HVR*FS29A	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-170-1	HLBO HARSH	ESA	100D A	-	
	247.433							
1HVR*FS29B	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-170-1	HLBO HARSH	ESA	100D A	-	
	247.433							
1HVR*FS56A	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-2	HARSH		100D A		
	247.433							
1HVR*FS56B	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-2	HARSH		100D A		
	247.433							
1HVR*PDT60A	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	RSHT 1153DB3PA	AB-141-2	HLBO HARSH	HVR	100D A	-	47481DA
	247.481							
1HVR*PDT60B	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAH3	RSHT 1153DB3PA	AB-141-2	HLBO HARSH	HVR	100D A	-	47481DB
	247.481							

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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HVR VENTILATION - REACTOR PLANT

1HVR*PDT60C	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	247.481	RSMT 1153DB3PA	AB-141-2	HLBO HARSH	HVR - -	100D A -	47481BC
1HVR*PDT60D	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	247.481	RSMT 1153DB3PA	AB-141-2	HLBO HARSH	HVR - -	100D A -	47481BD
1HVR*PDT60E	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK4	247.481	RSMT 1153DB3PA	AB-141-2	HLBO HARSH	HVR - -	100D A -	47481BE
1HVR*PDT60F	DIFF PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK3	247.481	RSMT 1153DB3PA	AB-141-2	HLBO HARSH	HVR - -	100D A -	47481BF
1HVR*SOV10A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV10B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV123	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-G	HARSH		1 HR A	
1HVR*SOV125	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-G	HARSH		1 HR A	
1HVR*SOV126	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-5A	HARSH		1 HR A	
1HVR*SOV128	SOLENOID VALVE POSI-SEAL	228.241	ASCO HV-206-832-6F	CT-5A	HARSH		1 HR A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
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HVR VENTILATION - REACTOR PLANT

1HVR*SOV142	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-6				1 HR A	
1HVR*SOV143	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-1				1 HR A	
1HVR*SOV147	SOLENOID VALVE POSI-SEAL 228.241	ASCO HV-206-832-6F	CT-G				1 HR A	
1HVR*SOV148	SOLENOID VALVE POSI-SEAL 228.241	ASCO HV-206-832-6F	CT-5A				1 HR A	
1HVR*SOV161	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-2				1 HR A	
1HVR*SOV162	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-2				1 HR A	
1HVR*SOV164	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-1				1 HR A	
1HVR*SOV165	SOLENOID VALVE POSI-SEAL 228.241	ASCO HV-206-832-6F	AB-141-4				1 HR A	
1HVR*SOV166	SOLENOID VALVE POSI-SEAL 228.241	ASCO HV-206-832-6F	AB-141-3				1 HR A	
1HVR*SOV18A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-2				100D A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRM1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRM2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRM3
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HVR VENTILATION - REACTOR PLANT

1HVR*SOV18B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		100D A	
1HVR*SOV214	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		1 HR A	
1HVR*SOV22A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-3	HARSH		100D A	
1HVR*SOV22B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-3	HARSH		100D A	
1HVR*SOV23A	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV23B	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV245	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV249	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-2	HARSH		1 HR A	
1HVR*SOV261	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		1 HR A	
1HVR*SOV262	SOLENOID VALVE QUALITY AIR DESIGN	215.480	ASCO NP8321A5E	AB-141-6	HARSH		1 HR A	

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

HVR VENTILATION - REACTOR PLANT

1HVR*SOV263	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH		1 HR A
1HVR*SOV264	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-5	HARSH		1 HR A
1HVR*SOV51A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-1	HARSH		100D A
1HVR*SOV51B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-141-2	HARSH		100D A
1HVR*SOV53A	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-170-1	HARSH		100D A
1HVR*SOV53B	SOLENOID VALVE QUALITY AIR DESIGN 215.480	ASCO NP8321A5E	AB-170-1	HARSH		100D A
1HVR*UC1A	UNIT COOLER MOTOR BUFFALO FORGE 215.252	WEST 445TCZ	CT-G	HLBI HARSH	HVAC - -	100D A -
1HVR*UC1B	UNIT COOLER MOTOR BUFFALO FORGE 215.252	WEST 445TCZ	CT-G	HLBI HARSH	HVAC - -	100D A -
1HVR*UC10	UNIT COOLER MOTOR BUFFALO FORGE 215.252	WEST 213TCZ	AB-114-3	HLBO HARSH	HVAC - Y	100D A -
1HVR*UC11A	UNIT COOLER MOTOR BUFFALO FORGE 215.252	WEST 405TCZ	AB-141-1	HLBO HARSH	HVAC - Y	100D A -

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER      ENV. ZONE      EMRGCN      EQUALST      SFN1      OP TIME      QRN1
              VENDOR                      MODEL/CATALOG NO.      SUBMRG          ENVTYP          SFN2      OC          QRN2
              PANEL/RACK                SPEC.NO              REMARKS                      INSTSTAT      SFN3          QRN3
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HVR VENTILATION - REACTOR PLANT

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1HVR*UC11B	UNIT COOLER MOTOR BUFFALO FORGE	WEST 405TCZ	AB-141-2	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC2	UNIT COOLER MOTOR BUFFALO FORGE	WEST 213TCZ NO SAFETY FUNCTION	AB-095-4	HLBO HARSH		HVAC	N/R	
	215.252				Y	-		
1HVR*UC3	UNIT COOLER MOTOR BUFFALO FORGE	WEST 215TCZ	AB-095-6	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC4	UNIT COOLER MOTOR BUFFALO FORGE	WEST 215TCZ	AB-095-7	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC5	UNIT COOLER MOTOR BUFFALO FORGE	WEST 326TCZ	AB-114-5	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC6	UNIT COOLER MOTOR BUFFALO FORGE	WEST 326TCZ	AB-114-8	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC7	UNIT COOLER MOTOR BUFFALO FORGE	WEST 256TCZ	AB-114-1	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	
1HVR*UC8	UNIT COOLER MOTOR BUFFALO FORGE	WEST 256TCZ	AB-114-5	HLBO HARSH		HVAC	1 HR	
	215.252				Y	-	A	
1HVR*UC9	UNIT COOLER MOTOR BUFFALO FORGE	WEST 324TCZ	AB-114-8	HLBO HARSH		HVAC	100D	
	215.252				Y	-	A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  CC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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IAS INSTRUMENT AIR

1IAS*MOV106	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A	-	
1IAS*MOV107	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-000-5	AB-114-6	HLBO HARSH	Y	CISL LCS	1HR A	-	
1IAS*PT39A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7 QA CAT II ALARM ONLY	AB-141-5	HLBO HARSH	Y	N/A -	1HR A		47481BG
1IAS*PT39B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7 QA CAT II ALARM ONLY	AB-141-6	HLBO HARSH	Y	N/A -	1HR A		47481BH
1IAS*PT43A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7 QA CAT II ALARM ONLY	FB-148-G	FHA HARSH	Y	N/A -	1HR A		47481BI
1IAS*PT43B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7 QA CAT II ALARM ONLY	FB-148-G	FHA HARSH	Y	N/A -	1HR A		47481BJ
1IAS*PT48A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-5	HLBO HARSH	Y	BCNT -	1HR A	-	47481BK
1IAS*PT48B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-6	HLBO HARSH	Y	BCNT -	1HR A	-	47481BL
1IAS*PT49A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	FB-148-G	FHA HARSH	Y	BCNT -	1HR A	-	47481BM
1IAS*PT49B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	FB-148-G	FHA HARSH	Y	BCNT -	1HR A	-	47481BN

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OF TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRC      ENVTYP      SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT  SFN3      QRN3
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IAS INSTRUMENT AIR

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OF TIME	QRN1
1IAS*SOV41A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	AB-141-5	HLBO HARSH	Y	BCNT -	1HR A	-
1IAS*SOV41B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	AB-141-6	HLBO HARSH		BCNT -	1HR A	-
1IAS*SOV45A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	FB-148-G	FHA HARSH	Y	BCNT -	1HR A	-
1IAS*SOV45B	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-005	FB-148-G	FHA HARSH	Y	BCNT -	1HR A	-

ICS REACTOR CORE ISOLATION COOLING

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OF TIME	QRN1
1ICS*SOV102	SOLENOID VALVE ATWOOD & MORRILL	228.218	N/R FOR SAFETY FUNCTION	AB-114-2	HARSH			N/R	
1ICS*SOV103	SOLENOID VALVE ATWOOD & MORRILL	228.218	N/R FOR SAFETY FUNCTION	DW-4	HARSH			N/R	

ISC

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OF TIME	QRN1
1ISC*PT101	PRESSURE TRANSMITTER ROSEMOUNT	247.481	RSMT 1153GB9PA N/R FOR POST ACCIDENT	CT-G	HARSH			N/R	4748180

JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OF TIME	QRN1
1JPB*RAK1	INSTRUMENT RACK MERCURY	247.411	MERC NONE, UNIQUE	AB-095-6	HLBO HARSH	Y		100D A	

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*****
MARK NO      EQUIPMENT DESCRIPTION  MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK             SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
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J¹B SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1JPB*RAK2	INSTRUMENT RACK MERCURY	MERC NONE, UNIQUE	AB-095-6	HLBO HARSH			100D A	
	247.411				Y			
1JPB*RAK3	INSTRUMENT RACK MERCURY	MERC NONE, UNIQUE	AB-141-2	HLBO HARSH			100D A	
	247.411				Y			
1JPB*RAK4	INSTRUMENT RACK MERCURY	MERC NONE, UNIQUE	AB-141-1	HLBO HARSH			100D A	
	247.411				Y			

JRB SUPERSTRUCTURE - REACTOR BUILDING

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
1JRB*DRA1(JBE)	DOOR ACCESS GRAVER		AB-170-1				100D A	
	219.711							
1JRB*DRA1(JBF)	DOOR ACCESS GRAVER		AB-170-1				100D A	
	219.711							
1JRB*DKAZ(JBE)	DOOR ACCESS GRAVER		FB-113-G				100D A	
	219.711							
1JRB*DRA2(JBF)	DOOR ACCESS GRAVER		FB-113-G				100D A	
	219.711							
1JRB*SOV15	SOLENOID VALVE GRAVER		AB-170-1				1HR A	
	219.711							
1JRB*SOV25	SOLENOID VALVE GRAVER		FB-113-G				1HR A	
	219.711							

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
```

JRB SUPERSTRUCTURE - REACTOR BUILDING

1JRB*ZS16	POSITION SWITCH GRAVER	219.711	AB-170-1	HARSH			1HR A	
1JRB*ZS17	POSITION SWITCH GRAVER	219.711	AB-170-1	HARSH			1HR A	
1JRB*ZS26	POSITION SWITCH GRAVER	219.711	FB-113-G	HARSH			1HR A	
1JRB*ZS27	POSITION SWITCH GRAVER	219.711	FB-113-G	HARSH			1HR A	

LDS LEAK DETECTION SYSTEM

1LDS*RTD1A	RTD PYCO	211.161	PYCO 122-3046-04	AB-095-10	HARSH		1 HR A	
1LDS*RTD1B	RTD PYCO	211.161	PYCO 122-3046-04	AB-095-10	HARSH		1 HR A	
1LDS*RTD1C	RTD PYCO	211.161	PYCO 122-3046-04	AB-095-10	HARSH		1 HR A	
1LDS*RTD1D	RTD PYCO	211.161	PYCO 122-3046-04	AB-095-10	HARSH		1 HR A	
1LDS*RTD2A	RTD PYCO	211.161	PYCO 122-3046-04	AB-114-7	HARSH		1 HR A	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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LDS LEAK DETECTION SYSTEM

1LDS*RTD2B	RTD PYCO		PYCO 122-3046-04	AB-114-7			1 HR A	
		211.161			HARSH			
1LDS*RTD2C	RTD PYCO		PYCO 122-3046-04	AB-114-7			1 HR A	
		211.161			HARSH			
1LDS*RTD2D	RTD PYCO		PYCO 122-3046-04	AB-114-7			1 HR A	
		211.161			HARSH			
1LDS*RTD3A	RTD PYCO		PYCO 122-3046-04	TB-123-2			1 HR A	
		211.161			HARSH			
1LDS*RTD3B	RTD PYCO		PYCO 122-3046-04	TB-123-2			1 HR A	
		211.161			HARSH			
1LDS*RTD3C	RTD PYCO		PYCO 122-3046-04	TB-123-2			1 HR A	
		211.161			HARSH			
1LDS*RTD3D	RTD PYCO		PYCO 122-3046-04	TB-123-2			1 HR A	
		211.161			HARSH			
1LDS*RTD4A	RTD PYCO		PYCO 122-3046-04	TB-095-2			1 HR A	
		211.161			HARSH			
1LDS*RTD4B	RTD PYCO		PYCO 122-3046-04	TB-095-2			1 HR A	
		211.161			HARSH			
1LDS*RTD4C	RTD PYCO		PYCO 122-3046-04	RB-095-2			1HR A	
		211.161			HARSH			

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
  
```

LDS LEAK DETECTION SYSTEM

1LDS*RTD4D	RTD PYCO	PYCO 122-3046-04	TB-095-2				1 HR A
		211.161					

LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*C3A	COMPRESSOR SUPERPRESSURE, INC.		AB-141-2				100 D A
		221.512					
1LSV*C3B	COMPRESSOR SUPERPRESSURE, INC.		AB-141-3				100 D A
		221.512					
1LSV*FE20A	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	AB-141-2				30 D A
		247.433					
1LSV*FE20B	FLOW ELEMENT FLUID COMPONENTS	FCI FR72-4R	AB-141-2				30 D A
		247.433					
1LSV*FS20A	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-2	HLBO HARSH		LCS - -	30 D A -
		247.433					
1LSV*FS20B	FLOW SWITCH FLUID COMPONENTS	FCI FR72-4R	AB-141-3	HLBO HARSH		LCS - -	30 D A -
		247.433					
1LSV*MOV11A	MOTOR OPERATED VALVE VELAN	LMTQ SHC-04-2	AB-141-2	HLBO HARSH		LCS BCNT -	30 D A -
		228.214					
1LSV*MOV11B	MOTOR OPERATED VALVE VELAN	LMTQ SHC-04-2	AB-141-2	HLBO HARSH		LCS BCNT -	30 D A -
		228.214					

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1
VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*MOV13A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-2	AB-141-4	HLBO HARSH	LCS BCNT Y	30D A - -
1LSV*MOV13B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-2	AB-141-2	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV15A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-095-10	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV15B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-141-2	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV16A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-095-10	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV16B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMC-04-3	AB-141-2	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV19A	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2	AB-141-2	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*MOV19B	MOTOR OPERATED VALVE VELAN 228.214	LMTQ SMB-000-2	AB-141-3	HLBO HARSH	LCS BCNT -	30 D A - -
1LSV*M2A	MOTOR TO DRIVE COMPRESSOR SUPERPRESSURE INC. 1LSV*SKD9A 221.512	RELI 254T	AB-141-2	HLBO HARSH	LCS - -	100D A - -
1LSV*M2B	MOTOR TO DRIVE COMPRESSOR SUPERPRESSURE INC. 1LSV*SKD9B 221.512	RELI 254T	AB-141-3	HLBO HARSH	LCS - -	100D A - -

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
  
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LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*PT10A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BP
1LSV*PT10B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47461BQ
1LSV*PT12A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BR
1LSV*PT12B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BS
1LSV*PT14A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-6	HLBO HARSH	LCS - -	30 D A -	47481BT
1LSV*PT14B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GP7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BU
1LSV*PT17A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-095-2	HLBO HARSH	LCS - -	30 D A -	47481BV
1LSV*PT17B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BW
1LSV*PT21A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-6	HLBO HARSH	LCS - -	30 D A -	47481BX
1LSV*PT21B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-5	HLBO HARSH	LCS - -	30 D A -	47481BY

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      I:ISTSTAT SFN3      QRN3
*****
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LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*PT22A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481BZ
1LSV*PT22B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7	AB-114-3	HLBO HARSH	LCS - -	30 D A -	47481CA
1LSV*PT26A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7PA	AB-141-2	HARSH		30 D A	47481CB
1LSV*PT26B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7PA	AB-114-3	HARSH		30 D A	47481CC
1LSV*PT9A	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GB7 REG.G.1.97	AB-141-2	HLBO HARSH	LCS - -	30 D A -	47481CD
1LSV*PT9B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153GP7 REG.G.1.97	AB-114-3	HLBO HARSH	LCS - -	30 D A -	47481CE
1LSV*PV10A	CONTROL VALVE FISHER CONTROLS 247.497	FCTL,BORG EC	AB-141-2	HLBO HARSH	LCS - -	30 D A -	
1LSV*PV10B	CONTROL VALVE FISHER CONTROLS 247.497	FCTL,BORG EC	AB-141-3	HLBO HARSH	LCS - -	30 D A -	
1LSV*SOVX26A	SOLENOID VALVE TARGET ROCK 247.501	TRCP 1115005-1	AB-141-2	HARSH		30D A	
1LSV*SOVX26B	SOLENOID VALVE TARGET ROCK 247.501	TRCP 1115005-1	AB-141-3	HARSH		30D A	

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
  
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LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*SOVY26A	SOLENOID VALVE TARGET ROCK	TRCP 115005-1	AB-141-2				300 A	
	247.501			HARSH				
1LSV*SOVY26B	SOLENOID VALVE TARGET ROCK	TRCP 1115005-1	AB-141-3				300 A	
	247.501			HARSH				
NGP CABLE								
1NGP01	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP02	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP03	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP04	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP06	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP11	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							
1NGP12	600 VOLT CONTROL CABLE OKONITE	OKON NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.240							

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE EMRGCN EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 QC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

NGP CABLE

INGP13	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP14	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP15	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP16	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP22	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP24	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP26	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP27	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP28	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	
INGP30	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -	

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCH EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC. NO. REMARKS INSTSTAT SFN3 QRN3

NGP CABLE

INGP32	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP33	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP36	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH		100D A
INGP37	600 VOLT CONTROL CABLE OKONITE 241.240	OKON NONE	VARIOUS	N/A HARSH		100D A
INGP42	600 VOLT CONTROL CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH		100D A
INGP50	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP51	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP52	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP53	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP54	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCN EQUALST SFN1 OP TIME QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC NO REMARKS INSTSTAT SFN3 QRN3

NGP CABLE

INGP55	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP56	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP57	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP58	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP59	600 VOLT POWER CABLE OKONITE 241.234	OKON NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGP61	ROCKBESTOS 241.242		VARIOUS	N/A HARSH		100D A
INGP62	ROCKBESTOS 241.242		VARIOUS	N/A HARSH		100D A
INGP63	SPECIAL INST. CABLE BRAND-REX 241.246		VARIOUS	N/A HARSH		100D A
INGP67	ROCKBESTOS 241.242		VARIOUS	N/A HARSH		100D A
INGP68	ROCKBESTOS 241.242		VARIOUS	N/A HARSH		100D A

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MARK NO  EQUIPMENT DESCRIPTION  MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
          VENDOR                MODEL/CATALOG NO.  SUBMRG    ENVTYP          SFN2  OC      QRN2
          PANEL/RACK            SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
  
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NGP CABLE

1NGP70	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP71	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP72	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP73	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP75	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP76	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP77	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP78	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP80	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	
1NGP81	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS 241.242	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -	

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC. NO REMARKS INSTSTAT SFN3 QRN3

NGP CABLE

1NGP82	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.242					
1NGP84	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.242					
1NGP85	300 VOLT INSTRUMENTATION CABLE ROCKBESTOS	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.242					

NGR CABLE

1NGR11	5KV POWER CABLE ANACONDA	NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.232					
1NGR12	5KV POWER CABLE ANACONDA	NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.232					
1NGR15	5KV POWER CABLE ANACONDA	NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.232					
1NGR16	5KV POWER CABLE ANACONDA	NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.232					
1NGR30	5KV POWER CABLE ANACONDA	NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.232					

NGS CABLE

1NGS01	THERMOCOUPLE EXT. WIRE CABLE ROCKBESTOS	ROCK NONE	VARIOUS	N/A HARSH	N/A	100D A -
	241.243					

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2    OC      QRN2
              PANEL/RACK                  REC.NO         REMARKS      INSTSTAT SFN3      QRN3
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NGS CABLE

INGS02	THERMOCOUPLE EXT. WIRE CABLE ROCKBESTOS 241.243	ROCK NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS03	THERMOCOUPLE EXT. WIRE CABLE ROCKBESTOS 241.243	ROCK NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS05	THERMOCOUPLE EXT. WIRE CABLE ROCKBESTOS 241.243	ROCK NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS06	THERMOCOUPLE EXT. WIRE CABLE ROCKBESTOS 241.243	ROCK NONE	VARIOUS	N/A HARSH	N/A	1000 A
INGS11	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A
INGS12	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS13	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS14	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A -
INGS15	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A
INGS17	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	1000 A -

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
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NGS CABLE

INGS18	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS20	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS21	SPECIAL INSTRUMENTAION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	100D A
INGS22	SPECIAL INSTRUMENTATION CABLE BRAND REX 241.246	BNRX NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS23	SPECIAL INSTRUMENTAITON CABLE BRAND REX 241.246	BNRX	VARIOUS	N/A HARSH	N/A	100D A
INGS40	COAXIAL CABLE ROCKBESTOS 241.242	NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS41	COAXIAL CABLE ROCKBESTOS 241.242	NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS42	COAXIAL CABLE ROCKBESTOS 241.242	NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS43	COAXIAL CABLE ROCKBESTOS 241.242	NONE	VARIOUS	N/A HARSH	N/A	100D A -
INGS44	COAXIAL CABLE ROCKBESTOS 241.242	NONE	VARIOUS	N/A HARSH	N/A	100D A -

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
  
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NGS CABLE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUALST	SFN1	OP TIME	QRN1
1NGS45	COAXIAL CABLE ROCKBESTOS	NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.242							
1NGS46	TWINAXIAL CABLE ROCKBESTOS	NONE	VARIOUS	N/A HARSH		N/A	100D A -	
	241.242							
1NGS57	300 V INST. CABLE ROCKBESTOS		VARIOUS	N/A HARSH		N/A	100D A	
	241.242							
1NGS60	ROCKBESTOS		VARIOUS	N/A HARSH		N/A	100D A	
	241.243							
1NGS61	ROCKBESTOS		VARIOUS	N/A HARSH		N/A	100D A	
	241.243							

NNS EMERGENCY 5KV ELECTRICAL SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUALST	SFN1	OP TIME	QRN1
1NNS*SHG5A	SWITCHGEAR GOULD-BROWN BOVERI		FB-095-G	HARSH			N/R	
	242.521	CAT.II			Y			
1NNS*SHG5B	SWITCHGEAR GOULD-BROWN BOVERI		AB-114-6	HARSH			N/R	
	242.521	CAT.II			Y			

RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EHRGCH	EQUALST	SFN1	OP TIME	QRN1
1RCP*LVC05	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH		PNIT	100D A	
	241.211	HLBI FOR INBOARD END, REMAINGER TRNS						
1RCP*LVC06	ELECTRICAL PENETRATION ASSY CONAX CORP	CONX NONE,UNIQUE	CT-7A	HLBI HARSH		PNIT	100D A	
	241.211	HLBI FOR INBOARD END, REMAINDER TRNS						

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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RCP ELECTRICAL PENETRATIONS

1RCP*LVC10A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC11	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC11A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC13A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC18	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC18A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC19A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC20A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC21	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVC21A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A

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              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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RCP ELECTRICAL PENETRATIONS

1RCP*LVI05A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A
1RCP*LVI06A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A
1RCP*LVI09C	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT - -	100D A -
1RCP*LVI12	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVI12A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HARSH	PNIT	100D A
1RCP*LVI14	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVI14A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVI15	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVI15A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVI17B	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
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RCP ELECTRICAL PENETRATIONS

1RCP*LV117C	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-6	HLBI HARSH	PNIT	100D A
1RCP*LVP03	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A -
1RCP*LVP03A	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A
1RCP*LVP04	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A -
1RCP*LVP04A	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A
1RCP*LVP07	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A
1RCP*LVP07A	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-7A	HLBI HARSH	PNIT	100D A -
1RCP*LVP08	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-5A	HLBI HARSH	PNIT	100D A
1RCP*LVP08A	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-5A	HLBI HARSH	PNIT	100D A -
1RCP*LVP09	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-6	HLBI HARSH	PNIT	100D A

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT  SFN3      QRN3
*****
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RCP ELECTRICAL PENETRATIONS

1RCP*LVP09A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVP16	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVP16A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR I'BOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVP22	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*LVP22A	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END,REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*MVP01	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT - -	100D A -
1RCP*MVP02	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT - -	100D A -
1RCP*NMS10	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*NMS13	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A
1RCP*NMS19	ELECTRICAL PENETRATION ASSY CONAX CORP 241.211	CONX NONE,UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1RCP*NHS20	ELECTRICAL PENETRATION ASSY CONAX CORP	241.211	CONX NONE, UNIQUE HLBI FOR INBOARD END, REMAINDER TRNS	CT-G	HLBI HARSH	PNIT	100D A	
1RCP*TCA01	TERMINAL CABINET PECP	242.491	N/A	AB-114-6	HLBO HARSH	RACK	100D A -	
1RCP*TCA02	TERMINAL CABINET PECP	242.491	N/A	AB-114-6	HLBO HARSH	RACK	100D A -	
1RCP*TCA03	TERMINAL CABINET PECP	242.491	N/A	AB-114-6	HLBO HARSH	RACK	100D A -	
1RCP*TCA04	TERMINAL CABINET PECP	242.491	N/A	AB-114-6	HLBO HARSH	RACK	100D A -	
1RCP*TCA05	TERMINAL CABINET PECP	242.491	N/A	AB-114-6	HLBO HARSH	RACK	N/R -	
1RCP*TCA06	TERMINAL CABINET PECP	242.491	N/A	AB-114-5	HLBO HARSH	RACK	N/R -	
1RCP*TCA07	TERMINAL CABINET PECP	242.491	N/A	AB-114-5	HLBO HARSH	RACK	N/R -	
1RCP*TCA08	TERMINAL CABINET PECP	242.491	N/A	AB-114-5	HLBO HARSH	RACK	100D A -	
1RCP*TCA09	TERMINAL CABINET PECP	242.491	N/A	AB-114-5	HLBO HARSH	RACK	100D A -	

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 VENDOR MODEL/CATALOG NO. SUBMRG ENVTYP SFN2 OC QRN2
 PANEL/RACK SPEC.NO REMARKS INSTSTAT SFN3 QRN3

RCP ELECTRICAL PENETRATIONS

1RCP*TCA10	TERMINAL CABINET PECP	N/A	AB-114-5	HLBO HARSH		RACK	100D
	242.491				Y	-	A -
1RCP*TCA11	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	N/R
	242.491	N/R FOR SAFETY FUNCTION			Y	-	-
1RCP*TCA12	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	100D
	242.491				Y	-	A -
1RCP*TCA13	TERMINAL CABINET PECP	N/A	AB-141-4	HLBO HARSH		RACK	N/R
	242.491	N/R FOR SAETY FUNCTION			Y	-	A -
1RCP*TCA14	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	N/R
	242.491	N/R FOR SAFETY FUNCTION			Y	-	A -
1RCP*TCA15	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	100D
	242.491				Y	-	A -
1RCP*TCA16	TERMINAL CABINET PECP	N/A	AB-141-3	HLBO HARSH		RACK	N/R
	242.491	N/R FOR SAFETY FUNCTION			Y	-	A -
1RCP*TCF01	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D
	242.491				Y	-	A -
1RCP*TCF02	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	N/R
	242.491	N/R FOR SAFETY FUNCTION				-	A -
1RCP*TCF03	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D
	242.491				Y	-	A -

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
```

RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1RCP*TCF04	TERMINAL CABINET PECP	N/A	FB-113-G	FHA HARSH		RACK	100D A	-
	242.491							
1RCP*TCR01A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR01F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR02A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR02F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR03A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION						
1RCP*TCR03F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR04A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR04F	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			
1RCP*TCR05A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	-
	242.491	N/R FOR SAFETY FUNCTION			Y			

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT  SFN3      QRN3
*****
  
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRGCN	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1RCP*TCR06A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR07A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR08A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION			-	-	-	
1RCP*TCR09A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR10A	TERMINAL CABINET PECP	N/A	CT-G	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR11A	TERMINAL CABINET PECP	N/A	CT-7A	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR12A	TERMINAL CABINET PECP	N/A	CT-7A	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR13A	TERMINAL CABINET PECP	N/A	CT-7A	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR14A	TERMINAL CABINET PECP	N/A	CT-5A	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	-	-	
1RCP*TCR15A	TERMINAL CABINET PECP	N/A	CT-5A	HLBI HARSH		RACK	N/R	
	242.491	N/R FOR SAFETY FUNCTION		Y	-	A	-	

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
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RCP ELECTRICAL PENETRATIONS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCN	EQUALST	SFN1	OP TIME	QRN1
1RCP*TCR16A	TERMINAL CABINET PECP	N/A	CT-5A	HLBI HARSH			RACK N/R - A -	
	242.491	N/R FOR SAFETY FUNCTION			Y			

RCS REACTOR COOLANT

1RCS*MOV58A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-G	HARSH			1HR A	
	228.216							
1RCS*MOV58B	MOTOR OPERATED VALVE VELAN	LMTQ	CT-G	HARSH			1HR A	
	228.216							
1RCS*MOV59A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-G	HARSH			1HR A	
	228.216							
1RCS*MOV59B	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-5A	HARSH			1HR A	
	228.216							
1RCS*MOV60A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-G	HLBI HARSH		CISL	1HR A -	
	228.216				Y			
1RCS*MOV60B	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-5A	HLBI HARSH		CISL	1HR A -	
	228.216							
1RCS*MOV61A	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-G	HLBI HARSH		CISL	1HR - -	
	228.216				Y			
1RCS*MOV61B	MOTOR OPERATED VALVE VELAN	LMTQ SMB-000-2	CT-5A	HLBI HARSH		CISL	1HR - -	
	228.216							

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3  OC      QRN3
*****
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RHS RESIDUAL HEAT REMOVAL SYSTEM

1RHS*FT15B	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153DB6PA N/R FOR POST ACCIDENT	AB-095-5	HARSH	Y	N/R	47481CF
1RHS*FT15C	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153DB6PA N/R FOR POST ACCIDENT	AB-095-6	HARSH	Y	N/R	47481CG
1RHS*LT119	PRESSURE TRANSMITTER ROSEMOUNT 247.481	RSMT 1153DB6PA N/R FOR POST ACCIDENT	CT-G	HARSH		N/R	47481CH
1RHS*RTD47A	RTD PYCO 247.461	PYCO 122-4030-04 REG.G.1.97	AB-070-8	HARSH	Y	100D A	
1RHS*RTD47B	RTD PYCO 247.461	PYCO 122-4030-04 REG.G.1.97	AB-070-7	HARSH	Y	100 D A	

RHS RADIATION MONITORING

1RHS*REX125	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-1	HARSH		100D A	
1RHS*REX5A	RADIOACTIVITY ELEMENT G A TECH 247.250		FB-148-G	HARSH		100D A	
1RHS*RE11A	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-2	HARSH		100D A	
1RHS*RE11B	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-170-2	HARSH		100D A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRSCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3  QRN3
*****
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RMS RADIATION MONITORING

1RMS*RE111	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-G				100 D A	
1RMS*RE112	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-4				100 D A	
1RMS*RE125	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	AB-170-1				100D A	
1RMS*RE15A	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-095-6				100D	
1RMS*RE15B	RADIOACTIVITY ELEMENT G A TECH 247.250		AB-095-6				100D A	
1RMS*RE16A	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	CT-G				100D A	
1RMS*RE16B	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	CT-G				100D A	
1RMS*RE20A	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	DW-1				100D A	
1RMS*RE20B	RADIOACTIVITY ELEMENT G A TECH 247.250	REG.G.1.97	DW-1				100D A	
1RMS*RE21A	RADIOACTIVITY ELEMENT G A TECH 247.250		CT-5A				100D A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
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RMS RADIATION MONITORING

1RMS*RE21B	RADIOACTIVITY ELEMENT G A TECH	247.250		CT-5A				100D A
					HARSH			
1RMS*RE5A	RADIOACTIVITY ELEMENT G A TECH	247.250	REG.G.1.97	FB-148-G				100D A
					HARSH			
1RMS*RE5B	G A TECH	247.250	REG.G.1.97	FB-148-G				100D A
					HARSH			
1RMS*RI21A	RADIOACTIVITY INDICATOR G A TECH	247.250		CT-5A				100D A
					HARSH			
1RMS*RI21B	RADIOACTIVITY INDICATOR G A TECH	247.250		CT-5A				100D A
					HARSH			

SAS SERVICE AIR

1SAS*MOV102	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -
1SAS*MOV103	MOTOR OPERATED VALVE VELAN	228.212	LHTQ SHB-000-5	AB-114-6	HLBO HARSH		CISL LCS	1HR A -

SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

1SCV*PNL2A1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-4	HLBO HARSH		PANL -	100D A -
						Y		
1SCV*PNL2A2	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-4	HLBO HARSH		PANL -	100D A -
						Y		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
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SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

1SCV*PNL2B1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-3	HLBO HARSH		PANL - -	100D A -	
1SCV*PNL2B2	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO H/RSH	Y	PANL - -	100D A -	
1SCV*PNL2C1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-4	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2D1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2E1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-1	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2F1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-3	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2G1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-1	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2H1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-114-3	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2J1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-1	HLBO HARSH	Y	PANL - -	100D A -	
1SCV*PNL2K1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQRD NQOB	AB-141-2	HLBO HARSH	Y	PANL - -	100D A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUEMRG    ENVTYP              SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS              INSTSTAT SFN3              QRN3
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SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SH

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	ENRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUEMRG	ENVTYP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3
1SCV*PNL2L1	STDBY DIST PNLBOARD SQUARE D COMPANY	120 V AC 242.421	SQDD NQOB	AB-141-1	HLBO HARSH	PANL	100D - A -	-
1SCV*XD2A1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2A2	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2B1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-3	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2B2	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-2	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2C1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-4	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2D1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-141-2	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2E1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-1	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2F1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-3	HLBO HARSH	EMPH	100D - A -	-
1SCV*XD2G1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER	15 KVA 242.132	SXFR	AB-114-1	HLBO HARSH	EMPH	100D - A -	-

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRCN  EQUALST  SFN1  OP TIME  GRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP  SFN2  OC      GRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      GRN3
*****
```

SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRCN	EQUALST	SFN1	OP TIME	GRN1
1SCV*XD2H1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-114-3	HLBO HARSH	Y	EMPH -	100D A -	
1SCV*XD2J1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-1	HLBO HARSH	Y	EMPH -	100D A -	
1SCV*XD2K1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-2	HLBO HARSH	Y	EMPH -	100D A -	
1SCV*XD2L1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	AB-141-1	HLBO HARSH	Y	EMPH -	100D A -	
1SCV*XD8B1	MISC SHL DRY TRANSFORMER STDBY SOUTHERN TRANSFORMER 242.132	SXFR 15 KVA	CB-098-1	NORM HARSH	Y	EMPH -	N/A D -	

SFC SPENT FUEL POOL COOLING AND CLEAN-UP

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	EMRCN	EQUALST	SFN1	OP TIME	GRN1
1SFC*LT11A	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	CT-5A	HARSH			100D A	
1SFC*LT11B	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	CT-G	HARSH			100D A	47481CJ
1SFC*LT28A	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	FB-113-1	HARSH			100D A	47481CK
1SFC*LT28B	LEVEL TRANSH & REMOTE SEAL ROSEMOUNT 247.481	RSMT 11530B4PG,1159C10A	FB-113-1	HARSH			100D A	47481CL

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP              SFN2  CC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS              INSTSTAT SFN3              QRN3
*****
  
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SFC SPENT FUEL POOL COOLING AND CLEAN-UP

1SFC*MOV119	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-15	FB-131-1	HLBO HARSH		SFC CISL	1 HR A -	
					Y	-		
1SFC*MOV120	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-25	CT-10	HLBI HARSH		SFC CISL	1 HR A -	
						-		
1SFC*MOV121	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-00-15	FB-131-1	HLBO HARSH		SFC CISL	1 HR A -	
					Y	-		
1SFC*MOV122	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-0-25	FB-131-1	HLBO HARSH		SFC CISL	1 HR A -	
					Y	-		
1SFC*MOV139	MOTOR OPERATED VALVE VELAN 228.216	LMTQ SMB-00-15	CT-10	HLBI HARSH		SFC CISL	1 HR A -	
						-		
1SFC*PIA	MOTOR FOR FUEL POOL COOL. PUMP GOULDS PUMPS, INC. 223.311	RELI NONE, UNIQUE	FB-070-1	FHA HARSH		SFC -	100D A -	
						-		
1SFC*PIB	MOTOR FOR FUEL POOL COOL. PUMP GOULDS PUMPS, INC. 223.311	RELI NONE, UNIQUE	FB-070-1	FHA HARSH		SFC -	100D A -	
					Y	-		
1SFC*RTD7A	RTD PYCO 247.461	PYCO 122-4030-04	FB-070-1	FHA HARSH		FLCL -	100D A -	
						-		
1SFC*RTD7B	RTD PYCO 247.461	PYCO 122-4030-04	FB-070-1	FHA HARSH		FLCL -	100D A -	
						-		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  ENRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3      QRN3
*****
```

SSR REACTOR PLANT SAMPLING SYSTEM

1SSR*SOV130	SOLENOID VALVE TARGET ROD	247.501	TRCP 1011105	CT-G	HARSH		1HR A
1SSR*SOV131	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1011105	AB-141-4	HARSH		1HR A
1SSR*SOV133	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6	HARSH		1HR A
1SSR*SOV134	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6	HARSH		1HR A
1SSR*SOV139	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1035010-1	AB-095-8	HARSH		1HR A
1SSR*SOV140	SOLENOID VALVE TARGET ROCK	247.501	TRCP 77KK-003	AB-114-6	HARSH		1HR A

SVV STEAM VENTS - SAFETY VALVES

1SVV*MOV1A	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-2	AB-114-6	HLBO HARSH	ADS BCNT	100D A -
1SVV*MOV1B	MOTOR OPERATED VALVE VELAN	228.214	LMTQ SMB-000-2	AB-114-5	HLBO HARSH	ADS BCNT	100D A -
1SVV*SOV20A	SOLENOID VALVE TARGET ROCK	247.501	TRCP 1021010-3	AB-141-2	HARSH		1HR A

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCH  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP              SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS              INSTSTAT SFN3              QRN3
*****
  
```

SVV STEAM VENTS - SAFETY VALVES

1SVV*SOV20B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH	1HR	1HR	A
	247.501						
1SVV*SOV21A	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH	1HR	1HR	A
	247.501						
1SVV*SOV21B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH		1HR	A
	247.501						
1SVV*SOV22A	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-2	HARSH		1HR	A
	247.501						
1SVV*SOV22B	SOLENOID VALVE TARGET ROCK	TRCP 1021010-3	AB-141-3	HARSH	1HR	1HR	A
	247.501						
1SVV*ZE10A	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	REG.G.1.97	DW-1	HARSH		1000	A
	247.529						
1SVV*ZE10B	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	REG.G.1.97	DW-1	HARSH		1000	A
	247.529						
1SVV*ZE10C	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	REG.G.1.97	DW-1	HARSH		1000	A
	247.529						
1SVV*ZE10D	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	REG.G.1.97	DW-1	HARSH		1000	A
	247.529						
1SVV*ZE10E	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP	REG.G.1.97	DW-1	HARSH		1000	A
	247.529						

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTP    SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT SFN3    QRN3
*****
```

SVV STEAM VENTS - SAFETY VALVES

1SVV*ZE10F	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10G	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10H	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10J	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10K	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10L	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10M	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10N	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10P	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	
1SVV*ZE10Q	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP 247.529	REG.G.1.97	DW-1					100D A	

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MARK NO	EQUIPMENT DESCRIPTION	HAKE/MANUFACTURER	ENV. ZONE	EMRGCH	EQUALST	SFN1	OP TIME	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	ENVTP		SFN2	OC	QRN2
	PANEL/RACK	SPEC.NO	REMARKS		INSTSTAT	SFN3		QRN3

SVV STEAM VENTS - SAFETY VALVES

1SVV*ZE10R	PRIMARY POSITION ELEMENT TECH FOR ENERGY CORP		DW-1				100D	
	247.529	REG.G.1.97		HARSH			A	

SHP SERVICE WATER

1SHP*ADV51A	AIR OPERATED VALVE FISHER CONTROLS	FCTL,MICO EA180	AB-141-3	HLBO HARSH		DISP	100D	
	247.491				Y	-	A	-
1SHP*ADV51B	AIR OPERATED VALVE FISHER CONTROLS	FCTL,MICO EA180	AB-141-3	HLBO HARSH		DISP	100D	
	247.491					-	A	-
1SHP*FT59A	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB4	FB-095-G	NORM HARSH		DISP	100D	
	247.481					-	D	NA
1SHP*FT59B	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB4	FB-095-G	NORM HARSH		DISP	100D	
	247.481				Y	-	D	NA
1SHP*FT60A	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB4 REG.G.1.97	FB-095-G	NORM HARSH		DISP	100D	
	247.461				Y	-	D	-
1SHP*FT60B	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB4 REG.G.1.97	FB-095-G	NORM HARSH		DISP	100D	
	247.481				Y	-	D	-
1SHP*FT64A	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB5	PT-3	HARSH			100D	
	247.481				Y		A	
1SHP*FT64B	FLOW TRANSMITTER ROSEMOUNT	RSHT 1153DB5	PT-3	HARSH			100D	
	247.481						A	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG     ENVTYP    SFN2  OC      QRN2
              PANEL/RACK                  SPEC.NO          REMARKS      INSTSTAT SFN3      QRN3
*****
```

SHP SERVICE WATER

1SHP#MOV171	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-2	PT-3	HLBO HARSH	Y	SW ESA -	100D A -	
1SHP#MOV172	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-2	PT-3	HLBO HARSH	Y	SW ESA -	100D A -	
1SHP#MOV173	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-2	PT-3	HLBO HARSH	Y	SW ESA -	100D A -	
1SHP#MOV174	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-000-2	PT-3	HLBO HARSH	Y	SW ESA -	100D A -	
1SHP#MOV4A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	CT-G	HLBI HARSH		BCNT - -	100D A -	
1SHP#MOV4B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	CT-G	HLBI HARSH		BCNT - -	100D A -	
1SHP#MOV5A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	CT-G	HLBI HARSH		BCNT - -	100D A -	
1SHP#MOV5B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-0-15	CT-G	HLBI HARSH		BCNT - -	100D A -	
1SHP#MOV501A	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-00-10	PT-2	HLBO HARSH	Y	BCNT - -	100D A -	
1SHP#MOV501B	MOTOR OPERATED VALVE JAHESBURY 228.243	LMTQ SMB-00-10	PT-2	HLBO HARSH	Y	BCNT - -	100D A -	

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SWP SERVICE WATER																			
1SWP#NOV502A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-00-10	CT-6	HLBI HARSH		HVR	100D A	-	-						
1SWP#NOV502B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-00-10	CT-6	HLBI HARSH		HVR	100D A	-	-						
1SWP#NOV503A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-00-10	CT-6	HLBI HARSH		HVR	100D A	-	-						
1SWP#NOV503B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-00-10	CT-6	HLBI HARSH		HVR	100D A	-	-						
1SWP#NOV504A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-0-15	AB-070-8	HLBO HARSH	Y	SM ESA	100D A	-	-						
1SWP#NOV504B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-0-15	AB-070-7	HLBO HARSH	Y	SM ESA	100D A	-	-						
1SWP#NOV506B	MOTOR OPERATED VALVE	JAMESBURY		228.243		LMTQ SNB-000-2	PT-4	ABNO HARSH	Y	ESA	100D	-	-						
1SWP#NOV507A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-0-15	AB-114-6	HLBO HARSH	Y	CISL	100D A	-	-						
1SWP#NOV507B	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-0-15	AB-141-3	HLBO HARSH	Y	CISL	100D A	-	-						
1SWP#NOV510A	MOTOR OPERATED VALVE	VELAN		228.212		LMTQ SNB-0-15	AB-070-8	HLBO HARSH	Y	ESA	100D A	-	-						

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCN EQUALST SFN1 OP TIME GRN1
 VENDOR MODEL/CATALOG NO. SUBVIRG ENVTYP SFN2 OC GRN2
 PANEL/RACK SPEC.NO. REMARKS INSTSTAT SFN3 GRN3

SHP SERVICE WATER

1SHP#MOV510B	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-0-15	AB-070-7	HLBO HARSH	Y	ESA A	1000 -
1SHP#MOV511A	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-10	PT-2	HLBO HARSH	Y	BCNT A	1000 -
1SHP#MOV511B	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-10	PT-2	HLBO HARSH	Y	BCNT A	1000 -
1SHP#MOV55A	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-1	NORM HARSH	Y	SH ESA D	1HR - -
1SHP#MOV55B	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-1	NORM HARSH	Y	SH ESA D	1HR - -
1SHP#MOV57A	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-3	NORM HARSH	Y	BCNT D	1HR -
1SHP#MOV57B	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-3	NORM HARSH	Y	BCNT D	1HR -
1SHP#MOV61A	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-1	NORM HARSH	Y	SH ESA D	1000 -
1SHP#MOV61B	MOTOR OPERATED VALVE JAMESBURY 228.243	LMTQ SHB-00-25	PT-1	NORM HARSH	Y	SH ESA D	1000 -
1SHP#MOV73A	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SHB-000-5	AB-114-5	HARSH	Y		1000 A

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE ENRGCN EQUALST SFN1 OP TIME GRN1
 VENDOR MODEL/CATALOG NO. SUBMRG ENVTP SFN2 OC GRN2
 PANEL/RACK SPEC. NO. REMARKS INSTSTAT SFN3 GRN3

SHP SERVICE WATER

1SHP#MOV73B	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-000-5	AB-114-5	HARSH	Y	100D A	
1SHP#MOV74A	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-000-5	AB-114-5	HARSH		100D A	
1SHP#MOV74B	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-000-5	AB-114-5	HARSH	Y	100D A	
1SHP#MOV77B	MOTOR OPERATED VALVE JAMESBURY 228.243	LHTQ SHB-000-2	PT-4	ABNO HARSH	Y	SH ESA A -	100D
1SHP#MOV81A	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-0-15	AB-114-6	HLBO HARSH	Y	CISL - A -	100D
1SHP#MOV81B	MOTOR OPERATED VALVE VELAN 228.212	LHTQ SHB-0-15	AB-141-3	HLBO HARSH	Y	CISL - A -	100D
1SHP#MOV96A	MOTOR OPERATED VALVE JAMESBURY 228.243	LHTQ SHB-00-25	PT-3	NORM HARSH	Y	BCNT - A -	1HR
1SHP#MOV96B	MOTOR OPERATED VALVE JAMESBURY 228.243	LHTQ SHB-00-25	PT-3	NORM HARSH	Y	BCNT - A -	1HR
1SHP#PT21A	PRESSURE TRANSMITTER ROSEMOUNT 1JPB#RAK2 247.481	RSMT 1153GB7	PT-3	NORM HARSH		SH BCNT A -	100D 47081CS
1SHP#PT21B	PRESSURE TRANSMITTER ROSEMOUNT 1JPB#RAK1 247.481	RSMT 1153GB7	PT-3	NORM HARSH		SH BCNT A -	100D 47481CT

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*****
MARK NO      EQUIPMENT DESCRIPTION      NAME/MANUFACTURER  ENV. ZONE  EMRGCN  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG    ENVTP   INSTSTAT SFN2  OC      QRN2
              PANEL/RAK                SPEC.NO          REMARKS
*****
```

SHP SERVICE WATER

1SHP*PT21C	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK2	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CU
1SHP*PT21D	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK1	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CV
1SHP*PT21E	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK2	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CW
1SHP*PT21F	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK1	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CX
1SHP*PT21G	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK2	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CY
1SHP*PT21H	PRESSURE TRANSMITTER ROSEMOUNT 1JPB*RAK1	247.481	RSMT 1153GB7	PT-3	NORM HARSH	SH BCNT	100D A -	47481CZ
1SHP*SOV51A	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO DBQ,NP8320	AB-141-2	HLBO HARSH	SH BCNT LCS	100D A -	
1SHP*SOV51B	SOLENOID VALVE FISHER CONTROLS	247.491	ASCO DBQ,NP8320	AB-141-3	HLBO HARSH	SH BCNT LCS	100D A -	
HCS REACTOR WATER CLEAN-UP								
1HCS*MOV111	MOTOR OPERATED VALVE VELAN	228.212	LMTQ SMB-0-75	AB-114-2	HLBO HARSH	CISL LCS	1HR A -	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE  EHRGON  EQUALST  SFN1  OP TIME  QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG     ENVTYP   SFN2  OC      QRN2
              PANEL/RACK                SPEC.NO          REMARKS     INSTSTAT  SFN3      QRN3
*****
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WCS REACTOR WATER CLEAN-UP

1KCS-HOV172	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	AB-114-2	HLBO HARSH	CISL	1HR A -
1KCS-HOV173	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	AB-114-2	HLBO HARSH	LCS	1HR A -
1KCS-HOV178	MOTOR OPERATED VALVE VELAN 228.212	LMTQ SMB-000-5	CT-7	HLBI HARSH	CISL	1HR A -

***** FT06 TYPE 1 1 FIELDS WERE PRINTED AS INVALID, MISSING OR OVERFLOW.
***** FT03 TYPE 0 END OF REPORT.

***** H204 TYPE 0 NUMBER OF MESSAGES PRINTED IS 3.
SORTOUT - 964 RECORDS INPUT
FINAL - 1 RECORDS INPUT
A - 4104 RECORDS OUTPUT
***** H209 TYPE 0 375784 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE

****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.32	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****
****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.32	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****
****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.32	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****

4444	000000	RRRRRR	JJ	000000	BBBBSB	11	666666	888888	4444
44444	00000000	RRRRRRR	JJ	00000000	BBBBSBB	111	66666666	8888888	44444
444 44	00 00	RR RR	JJ	00 00	BB BB	11	66 66	88 88	444 44
444 44	00 00	RRRRRR	JJ	00 00	BBBBSB	11	666666	888888	444 44
44444444	00 00	RRRRRRR	JJ	00 00	BBBBSBB	11	66666666	88888888	44444444
44444444	00 00	RR RR	JJ	00 00	BB BB	11	66 66	88 88	44444444
44	00000000	RR RR	JJJJJJ	00000000	BBBBSBB	1111111	66666666	88888888	44
44	000000	RR RR	JJJJJ	000000	BBBBSB	1111111	666666	888888	44

BBBBSB	BBBBSB	AAAAAA	RRRRRR	NN NN	EEEEEE	SSSSSS
BBBBSBB	BBBBSBB	AAAAAAA	RRRRRRR	NN NN	EEEEEEE	SSSSSSS
BB BB	BB BB	AA AA	RR RR	NNNN NN	EEEE	SS
BBBBSB	BBBBSB	AAAAAAA	RRRRRR	NNNN NN	EEEEEE	SSSSSSS
BBBBSBB	BBBBSBB	AAAAAAA	RRRRRRR	NN NNNN	EEEEEE	SSSSSSS
BB BB	BB BB	AA AA	RR RR	NNNN	EEEE	SS
BBBBSB	BBBBSB	AAAAAA	RR RR	NN NN	EEEEEE	SSSSSSS
BBBBSB	BBBBSB	AAAAAA	RR RR	NN NN	EEEEEE	SSSSSS

000000	666666	//	222222	999999	888888	4444
00000000	66666666	//	22222222	99999999	88888888	444444
00 00	66 66	//	22 22	99 99	88 88	444 44
00 00	666666	//	222	99999999	888888	444 44
00 00	66666666	//	222	99999999	88888888	44444444
00 00	66 66	//	22	99	88 88	44444444
00000000	66666666	//	22222222	99999999	88888888	44
000000	666666	/	22222222	999999	888888	44

UU UU	UU UU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	EEEEEEEE	TTTTTTT
UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	EEEEEEEE	TTTTTTT
UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	EEEE	TT
UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	EEEEEE	TT
UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	EEEEEE	TT
UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	UU UU	EEEE	TT
UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	EEEEEEEE	TTTTTTT

4444	000000	RRRRRR	JJ	000000	BBBBSB	11	666666	888888	4444
44444	00000000	RRRRRRR	JJ	00000000	BBBBSBB	111	66666666	88888888	44444
444 44	00 00	RR RR	JJ	00 00	BB BB	11	66 66	88 88	444 44
444 44	00 00	RRRRRR	JJ	00 00	BBBBSB	11	666666	888888	444 44
44444444	00 00	RRRRRRR	JJ	00 00	BBBBSBB	11	66666666	88888888	44444444
44444444	00 00	RR RR	JJ	00 00	BB BB	11	66 66	88 88	44444444
44	00000000	RR RR	JJJJJJ	00000000	BBBBSBB	1111111	66666666	88888888	44
44	000000	RR RR	JJJJJ	000000	BBBBSB	1111111	666666	888888	44

****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.33	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****
****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.33	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****
****A..	END	..JOB 1684..R0082004..B.BARNES	..FLOOR 40R	...1.31.33	PH 29	JUN 84..R3.PR4	..SYS.C168..JOB 1684..	END	..A****

FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

[illegible]

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AB REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT10								
SPEC NO.: 247.481	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SYSTEM:	TEMP (F):							NOTE 1
REACTOR PLANT	NORMAL	122	120	1	2	TEST-IDENT	NA	
COMPONENT COOLING	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTERS	PRESS (PSIG):							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	IRH (%):							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW	RADIATION:							NOTE 1
PRESSURE MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-070-B								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL? YES								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

DOCUMENT REFERENCE:

- ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
- RBSI POST-ACCIDENT OPERABILITY PERIOD: CEOT-27
- SEE SPEC
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1CCP#PT1C								
SPEC NO.:	247.481								
SYSTEM:		OP.TIME:		>1 YEAR	3	2	TEST-IDENT	YES	
REACTOR PLANT COMPONENT		TEMP (F):							
COOLING		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
TYPE: (DESCRIPTION)		ABNORMAL	NA	-				NA	
PRESSURE TRANSMITTER		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
		PRESS(PSIG)							
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%):							
MODEL NO.:	11536B7	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT EPCCW PRESSURE		RADIATION:							
MEASUREMENT		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	NOTE 1
		ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY						NA	
ACCURACY - -		SUBMERGENCE:	NO	-	4			NA	
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-070-B								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 058B,CAT 1									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

DOCUMENT REFERENCE:

- ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
- RBS1 POSI-ACCIDENT OPERABILITY PERIOD: CEOT-27
- SEE SPEC
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

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QUAL REF # 47481AD REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1CCP*PT1D	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
REACTOR PLANT COMPONENT		ABNORMAL	NA	-				NA	
COOLING		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG):							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	5%	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE		RADIATION:							NOTE 1
MEASUREMENT		NORM GAMMA:	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA:	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA:	0	0	1	2	TEST-IDENT	YES	
		ACC BETA:	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY						NA	
ACCURACY - -		SUBMERGENCE:	NO	-	4			NA	
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-070-B	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RRS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-27							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT1E	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
REACTOR PLANT COMPONENT	ABNORMAL	NA	-				NA	
COOLING	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS("SIG)							NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE	RADIATION:							NOTE 1
MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-B	DOCUMENT REFERENCE:			NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC			SEE THE DOCUMENT REFERENCED.				
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-27							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

QUAL REF # 47481AF REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT1F		OP. ME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481		TEMP (F):							
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT COMPONENT		ABNORMAL	NA	-				NA	
COOLING		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 11536B7		RH (%):							NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE		RADIATION:							NOTE 1
MEASUREMENT		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY						NA	
ACCURACY - -		SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.: AB-070-B		PREPARED BY: C. A. OPALEK REVIEWED BY: W. MCALLISTER							
FLOOD LEVEL		DATE _____ DATE _____							
ELEVATION: LATER		DOCUMENT REFERENCE: 1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984 2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A 3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-27 4. SEE SPEC 5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A							
ABOVE FLOOD		NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.							
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-45B

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AG REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT16	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.281	TEMP (F):							
SYSTEM:								
REACTOR PLANT COMPONENT	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
COOLING	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG):							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE	RADIATION:							NOTE 1
MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALKE			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-B	DOCUMENT REFERENCE:			NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-27							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AH REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							REMARKS
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CCP*PT1H	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
REACTOR PLANT COMPONENT	ABNORMAL	NA	-				NA	
COOLING	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT RPCCW PRESSURE	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MEASUREMENT	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%				PREPARED BY: C. A. OPALEK		DATE		
DEMO: 0.25%				REVIEWED BY: W. MCALLISTER		DATE		
ZONE NO.: AB-070-B				DOCUMENT REFERENCE:		NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.		
FLOOD LEVEL				1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC				
ELEVATION: LATER				DOCUMENT NO. 215.150, REV.2, 1984				
ABOVE FLOOD				2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,				
LEVEL? YES				SDDF # 6247.481-130-002A				
ABOVE SPRAY/				3. RPS: POST-ACCIDENT OPERABILITY PERIOD:				
FROTH LEVEL?				CEOT-27				
				4. SEE SPEC				
DOCUMENTATION ACCEPTABILITY:				5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,				
ACCEPTABLE TO NUREG 0588, CAT I				SDDF # 6247.481-130-001A				
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CMS*LT23A	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	90	120	1	2	TEST-IDENT	NA	NOTE 1
CONTAINMENT ATMOS	ABNORMAL	140	-				NA	
MONITORING	ACCIDENT	165	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							
LEVEL TRANSMITTER WITH	NORMAL	-.1TD-1.0H2	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
REMOTE SEALS	ABNORMAL	2.3	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	9	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB5PG	RH (%)							
1159C60A	NORMAL	50	-	1	2	TEST-IDENT	YES	NOTE 1
SAFETY FUNCTION: - - -	ABNORMAL	100	-				NA	
SUPPRESSION POOL LEVEL	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
	RADIATION:							NOTE 1
	NORM GAMMA	2E3	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2.1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: NONE	NORM BETA	2E3	0	1	2	TEST-IDENT	YES	
	ACC BETA	1.5E8	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: CT-2	DOCUMENT REFERENCE:			NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC			SEE THE DOCUMENT REFERENCED.				
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A; -008D							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-5							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NURES 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AJ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1CMS*LT23B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	90	120	1	2	TEST-IDENT	NA	NOTE 1
CONTAINMENT ATMOS	ABNORMAL	140	-				NA	
MONITORING	ACCIDENT	165	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):							
LEVEL TRANSMITTER	NORMAL	-.1TD-1.0H2	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
WITH REMOTE SEALS	ABNORMAL	2.3	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	9	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 1153DB5P6	NORMAL	50	-	1	2	TEST-IDENT	YES	
1159C60A	ABNORMAL	100	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
SUPPRESSION POOL LEVEL	RADIATION:							NOTE 1
	NORM GAMMA	2E3	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2.1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: NONE	NORM BETA	2E3	0	1	2	TEST-IDENT	YES	
	ACC BETA	1.5E8	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: CT-2	DOCUMENT REFERENCE:							
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A; -008D							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-5							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,
SEE THE DOCUMENT REFERENCED.

RIVER BEND STATION - UNIT 1
DOCKET NUMBER: 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AK REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1CMS*PDT29A	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	
CONTAINMENT ATMOS	ABNORMAL	114	-				NA	
MONITORING	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
DIFF PRESS TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.: 1153DB6	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
CONTAINMENT/DRYWELL	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
DIFF PRESS	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-5
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION						
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO
=====		=====	=====	=====	=====	=====	=====	=====
EQUIP NO.:	1CMS*PDT29B							
SPEC NO.:	247.481							
SYSTEM:		OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES
CONTAINMENT ATMOS		TEMP (F):	---	---	---	---	---	---
MONITORING		NORMAL	114	120	1	2	TEST-IDENT	NA
TYPE: (DESCRIPTION)		ABNORMAL	114	-				NA
DIFF PRESS TRANSMITTER		ACCIDENT	135	303	1	2	TEST-IDENT	YES
		PRESS (PSIG):	---	---	---	---	---	---
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA
		ABNORMAL	ATMOS	-				NA
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES
		RH (%):	---	---	---	---	---	---
MODEL NO.:	1153DB6	NORMAL	90	-	1	2	TEST-IDENT	YES
		ABNORMAL	90	-				NA
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES
CONTAINMENT/DRYWELL		RADIATION:	---	---	---	---	---	---
DIFF PRESS		NORM GAMMA	700	-	1	6	TEST-IDENT	YES
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES
		ACC BETA	500	0	1	2	TEST-IDENT	YES
		NEUTRON	0	0	1	2	TEST-IDENT	YES
		SPRAY						NA
ACCURACY - -		SUBMERGENCE	NO	-	4			NA
SPEC: 0.25%		=====						
DEMO: 0.25%		PREPARED BY: C. A. OPALEK				DATE: _____		
ZONE NO.:	AB-141-2	REVIEWED BY: W. MCALLISTER				DATE: _____		
FLOOD LEVEL		DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,		
ELEVATION: LATER		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC				SEE THE DOCUMENT REFERENCED.		
ABOVE FLOOD		DOCUMENT NO. 215.150, REV.2, 1984						
LEVEL? YES		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,						
ABOVE SPRAY/		SDDF # 6247.481-130-002A						
FROTH LEVEL?		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:						
		CEQT-5						
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC						
ACCEPTABLE TO NUREG 0588,CAT 1		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,						
		SDDF # 6247.481-130-001A						
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 10								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-45B

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AM REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1CMS*PT2A	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
CONTAINMENT ATMOS	ABNORMAL	114	-				NA	
MONITORING	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153AB6	RH (%):							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DRYWELL PRESSURE	RADIATION:							NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-5
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AN REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CMS*PT2B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
CONTAINMENT ATMOS	ABNORMAL	114	-				NA	
MONITORING	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							
MODEL NO.: 1153AB6	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DRYWELL PRESSURE	RADIATION:							
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	NOTE 1
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:		NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.					
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV. 2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-5							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588, CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481A0 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1CMS*PT4A	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	
CONTAINMENT ATMOS	ABNORMAL	114	-				NA	
MONITORING	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.: 1153AB6	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
CONTAINMENT PRESSURE	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2	PREPARED BY: C. A. OPALEK			DATE				
FLOOD LEVEL	REVIEWED BY: W. MCALLISTER			DATE				
ELEVATION: LATER	DOCUMENT REFERENCE:							
ABOVE FLGD	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
LEVEL? YES	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE SPRAY/	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
FROTH LEVEL?	SDDF # 6247.481-130-002A							
	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-5							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1CMS*PT4B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	114	120	1	2	TEST-IDENT	NA	
CONTAINMENT ATMOS		ABNORMAL	114	-				NA	
MONITORING		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	1153AB6	RH (%):							NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -		ABNORMAL	90	-				NA	
CONTAINMENT PRESSURE		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
		RADIATION:							NOTE 1
		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY						NA	
ACCURACY - -		SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-141-2	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-5							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1

DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AQ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1DRF#LT134	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
LEAK DETECTION	ABNORMAL	124	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER WIHT	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
REMOTE SEALS	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
MODEL NO.: 1153DB4PG	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
1159C30A	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SAFETY FUNCTION: - - -	NORMAL	90	-	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR	ABNORMAL	50	-				NA	
AUX BLDG FLR DRN PUMP	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORM GAMMA	7E3	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	9E6	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK				DATE _____			
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER				DATE _____			
ZONE NO.: AB-070-1	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A; -008D							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-11							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 058B,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AR REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							REMARKS
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1DFR*LT135	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
LEAK DETECTION	ABNORMAL	255	-	-	-	-	NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER WITH	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
REMOTE SEALS	NORMAL -1/4TO-1" W	-	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL -1/4TO-1" W	-	-	-	-	-	NA	
MODEL NO.: 1153DB4PB	ACCIDENT -1/4TO-1" W	55	55	1	2	TEST-IDENT	YES	
1159C30A	RH (%)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SAFETY FUNCTION: - - -	NORMAL	90	-	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR AUX	ABNORMAL	4	-	-	-	-	NA	
BLDG FLR DRN PUMP	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
ACCURACY - -	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
SPEC: 0.25%	ACC GAMMA	1.3E7	2.2E7	1	2	TEST-IDENT	YES	
DEMO: 0.25%	NORM BETA	0	0	1	2	TEST-IDENT	YES	
ZONE NO.: AB-070-2	ACC BETA	500	0	1	2	TEST-IDENT	YES	
FLOOD LEVEL	NEUTRON	0	0	1	2	TEST-IDENT	YES	
ELEVATION: LATER	SPRAY	-	-	-	-	-	NA	
ABOVE FLOOD	SUBMERGENCE	NO	-	4	-	-	NA	
LEVEL? YES	PREPARED BY: C. A. OPALEK				DATE			
ABOVE SPRAY/	REVIEWED BY: W. MCALLISTER				DATE			
FROTH LEVEL?	DOCUMENT REFERENCE:	NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.						
DOCUMENTATION ACCEPTABILITY:	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ACCEPTABLE TO NUREG 0588, CAT I	DOCUMENT NO. 215.150, REV.2, 1984							
	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-002A; -008D							
	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-11							
	4. SEE SPEC							
	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 16.7								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481A5 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1DFR<136	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
LEAK DETECTION	ABNORMAL	179	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	280	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER WITH	PRESS (PSIG)							NOTE 1
REMOTE SEALS	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
MODEL NO.: 1153DB4PB	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -	RH (%)							NOTE 1
LEVEL TRANSMITTER FOR AUX	NORMAL	90	-	1	2	TEST-IDENT	YES	
BLDG FLR DRN PUMP	ABNORMAL	12	-				NA	
	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:							NOTE 1
	NORM GAMMA	3E4	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	5E6	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY						NA	
ACCURACY - -	SUBMERGENCE	NO	-	4			NA	
SPEC: 0.25%	PREPARED BY: C. A. DPALK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-3	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-11							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 18.2								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1DFR*LT137	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
LEAK DETECTION		ABNORMAL	158	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	140	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER		PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	1153DB4PG	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	19	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR		RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
AUX BLDG FLR DRN PUMP		NORM GAMMA	2E3	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	9E6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-070-4	DOCUMENT REFERENCE:				NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-11							
		4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_47481AU____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1DFR*LT138	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
LEAK DETECTION	ABNORMAL	254	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	-1/4 TO -1/	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	-1/4 TO -1/	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	-1/4 TO -1/	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB4PG	RH (%)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	4	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR AUX	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
BLDG FLR DRN PUMP	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1.2E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-070-5	DOCUMENT REFERENCE:		NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.					
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-11							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.7								
REFERENCE: 2								

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AV REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1DFR*LT139	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM: LEAK DETECTION	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
	ABNORMAL	134	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 11532B4P6	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	36	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
LEVEL TRANSMITTER FOR AUX	RADIATION:							NOTE 1
BLDG FLR DRN PUMP	NORM GAMMA	6E3	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NOS.: AB-070-6								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-11
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481AW REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 16TS*PT15A	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
STANDBY GAS TREATMENT	ABNORMAL	122	-					
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	NA	
PRESSURE TRANSMITTER	PRESS (PSIG)							
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-					
	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	NA	
MODEL NO.: 1153683	RH (%)							
	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
SAFETY FUNCTION: - - -	ABNORMAL	90	-					
FILTER SUCTION PRESSURE	ACCIDENT	90	100	1	2	TEST-IDENT	NA	
	RADIATION:							
	NORM GAMMA	700	-	1	6	TEST-IDENT	NO	NOTE 1
OP. CODE: NONE	ACC GAMMA	4.4E7	2.2E7	1	2	TEST-IDENT	NO	
	NORM BETA	0	0	1	2	TEST-IDENT	NA	NOTE 2
	ACC BETA	500	0	1	2	TEST-IDENT	NA	
	NEUTRON	0	0	1	2	TEST-IDENT	NA	
	SPRAY							
	SUBMERGENCE	NO	-	4				
ACCURACY - -								
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-5								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0589, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

PREPARED BY: C. A. OPALEK
REVIEWED BY: W. MCALLISTER

DATE: _____
DATE: _____

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-24
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.
2. SEE IOC "CASE SPECIFIC EQ PROBLEMS, VARIOUS SPECS & ZONES" CONRAD TO TZABO, 5/14/84.

DUAL REF #_47481AY REV 0

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

EQUIP NO.: 1HVF*PT38A
SPEC NO.: 247.481
SYSTEM:
FUEL BUILDING VENTILATION

TYPE: (DESCRIPTION)
PRESSURE TRANSMITTER

MANUFACTURER: ROSEMOUNT

MODEL NO.: 1153GB3

SAFETY FUNCTION: ---
FUEL BLDG CHARCOAL FILTER
PRESS

OP. CODE: A

ACCURACY ---
SPEC: 0.25%
DEMO: 0.25%

ZONE NO.: FB-148-1

FLOOD LEVEL
ELEVATION: LATER

ABOVE FLOOD
LEVEL? YES

ABOVE SPRAY/
FROTH LEVEL?

DOCUMENTATION ACCEPTABILITY:
ACCEPTABLE TO NUREG 0588, CAT I

MAINT/SURVEILL ---
REFERENCE: 2

QUALIFIED LIFE ---
(YEARS): 20
REFERENCE: 2

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
			SPECIFIED	QUALIFIED			
OP. TIME:	24 HOURS	>1 YEAR					
TEMP (F):							
NORMAL	96	120	3	2	TEST-IDENT	YES	
ABNORMAL	124	-	1	2	TEST-IDENT	NA	NOTE 1
ACCIDENT	124	303					
PRESS (PSIG):							
NORMAL	-.1TD-.25WG	ATMOS	1	2	TEST-IDENT	YES	
ABNORMAL	-.62"WG	-	1	2	TEST-IDENT	NA	NOTE 1
ACCIDENT	-.62"WG	55					
RH (%):							
NORMAL	55	-	1	2	TEST-IDENT	NA	
ABNORMAL	45	-	1	2	TEST-IDENT	YES	NOTE 1
ACCIDENT	45	100					
RADIATION:							
NORM GAMMA	7E2	-	1	2	TEST-IDENT	YES	
ACC GAMMA	1E5	2.2E7	1	6	TEST-IDENT	YES	NOTE 1
NORM BETA	0	0	1	2	TEST-IDENT	YES	
ACC BETA	6E2	0	1	2	TEST-IDENT	YES	
NEUTRON	0	0	1	2	TEST-IDENT	YES	
SPRAY			1	2	TEST-IDENT	YES	
SUBMERGENCE	NO	-	4	2	TEST-IDENT	YES	

PREPARED BY: C. A. OPALEK
REVIEWED BY: W. MCALLISTER

DATE
DATE

- DOCUMENT REFERENCE:
1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
 2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
 3. RBS1 POST-ACCIDENT OPERABILITY PERIOD, CEOT-8
 4. SEE SPEC
 5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481BA REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR*PDT60A	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							NOTE 1
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	
REACTOR PLANT VENTILATION	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL	PRESS (PSIG)							NOTE 1
TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB3PA	RH (%):							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -	ABNORMAL	90	-				NA	
CONTAINMENT/ANNULUS	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE	RADIATION:							NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
OP. CODE: A	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%				PREPARED BY: C. A. OPALEK		DATE		
DEMO: 0.25%				REVIEWED BY: W. MCALLISTER		DATE		
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-22							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_4748188 REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR*PDT60B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT VENTILATION	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL	PRESS (PSIG)							NOTE 1
TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
MODEL NO.: 1153DB3PA	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -	RH (%)							NOTE 1
CONTAINMENT/ANNULUS	NORMAL	90	-	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE	ABNORMAL	90	-				NA	
OP. CODE: A	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
ACCURACY - -	RADIATION:							NOTE 1
SPEC: 0.25%	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
DEMO: 0.25%	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
ZONE NO.: AB-141-2	NORM BETA	0	0	1	2	TEST-IDENT	YES	
FLOOD LEVEL	ACC BETA	500	0	1	2	TEST-IDENT	YES	
ELEVATION: LATER	NEUTRON	0	0	1	2	TEST-IDENT	YES	
ABOVE FLOOD	SPRAY							
LEVEL? YES	SURMERGENCE	NO	-	4				
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-22
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_47481BC____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR*PDT60C	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT VENTILATION	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL	PRESS (PSIG)							NOTE 1
TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	ATMOS	-				NA	
MODEL NO.: 1153DB3PA	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -	RH (%)							NOTE 1
CONTAINMENT/ANNULUS	NORMAL	90	-	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE	ABNORMAL	90	-				NA	
OP. CODE: A	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
	RADIATION:							NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT 1								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

DOCUMENT REFERENCE:

- ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
- RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-22
- SEE SPEC
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_474818D_____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1HVR*PDT60D	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.431	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT VENTILATION	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL	PRESS (PSIG)							NOTE 1
TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB3PA	RH (%):							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-					
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
CONTAINMENT/ANNULUS	RADIATION:							NOTE 1
DIFFERENTIAL PRESSURE	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. DPALEK				DATE _____			
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER				DATE _____			
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-22							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_474818F_____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUM	REFERENCE	QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1HVR#PDT60F	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
REACTOR PLANT VENTILATION	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE DIFFERENTIAL TRANSMITTER	PRESS(PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB3PA	RH (%)							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
CONTAINMENT/ANNULUS DIFFERENTIAL PRESSURE	RADIATION:							NOTE 1
	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBSI POST-ACCIDENT OPERABILITY PERIOD: CEOT-22
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN: DEMO	REMARKS
			SPECIFIED	QUALIFIED			
OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
TEMP (F):							NOTE 1
NORMAL	122	120	1	2	TEST-IDENT	NA	
ABNORMAL	122	-				NA	
ACCIDENT	122	303	1	2	TEST-IDENT	YES	
PRESS (PSIG)							NOTE 1
NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
ABNORMAL	ATMOS	-				NA	
ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
RH (%)							NOTE 1
NORMAL	90	-	1	2	TEST-IDENT	YES	
ABNORMAL	90	-				NA	
ACCIDENT	90	100		2	TEST-IDENT	YES	
RADIATION:							NOTE 1
NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
ACC GAMMA	4.4E7	2.2E7	1	2	TEST-IDENT	NO	NOTE 2
NORM BETA	0	0	1	2	TEST-IDENT	NA	
ACC BETA	500	0	1	2	TEST-IDENT	NO	
NEUTRON	0	0	1	2	TEST-IDENT	NA	
SPRAY							
SUBMERGENCE	NO	-	4				

DATE _____
DATE _____

REFERENCE: 2

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1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC
DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:
CEOT-16
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
SDDF # 6247.481-130-001A

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NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, I
SEE THE DOCUMENT REFERENCED. I
2.SEE IOC "CASE SPECIFIC EQ PROBLEMS, VARI
SPECS AND ZONES" CONRAD TO ISZABO. 5/11/7

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481BH REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN: DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	11AS*PT39B	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
INSTRUMENT AIR		ABNORMAL	122	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	122	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG)							NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153687	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	90	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK		RADIATION:							NOTE 1
AIR INLET SOV		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	4.4E7	2.2E7	1	2	TEST-IDENT	NO	NOTE 2
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	NA	
		ACC BETA	500	0	1	2	TEST-IDENT	NO	
		NEUTRON	0	0	1	2	TEST-IDENT	NA	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-141-6								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG C588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

FOR INFORMATION ONLY

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_4748181_ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 11AS*PT43A	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
SYSTEM:	NORMAL	96	120	1	2	TEST-IDENT	NA	NOTE 1
INSTRUMENT AIR	ABNORMAL	131	-	-	-	TEST-IDENT	NA	
TYPE: (DESCRIPTION)	ACCIDENT	131	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	-.110-.25WG	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	-.62"WG	-	-	-	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	-.62"WG	55	1	2	TEST-IDENT	YES	
MODEL NO.: 11536B7	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	55	-	1	2	TEST-IDENT	YES	
	ABNORMAL	38	-	-	-	TEST-IDENT	NA	
SAFETY FUNCTION: - - -	ACCIDENT	38	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
AIR INLET SOV	NORM GAMMA:	7E2	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E3	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: B	NORM BETA	0	0	1	2	TEST-IDENT	YES	
JUSTIF. REF: 3	ACC BETA	6E2	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY	-	-	-	-	-	-	
ACCURACY - -	SUBMERGENCE:	NO	-	4	-	-	-	
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: FB-148-B	DOCUMENT REFERENCE:		NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.					
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC		2.SEE IOC "CASE SPECIFIC EQ PROBLEMS, VA I					
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984		SPECS AND ZONES" CONRAD TO TSZABO, 5/11/					
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-16							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	11AS*PT43B	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	96	120	1	2	TEST-IDENT	NA	
INSTRUMENT AIR		ABNORMAL	131	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	131	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG):							NOTE 1
		NORMAL	-.110-.25WG	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	-.62"WG	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	-.62"WG	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB7	NORMAL	55	-	1	2	TEST-IDENT	YES	
		ABNORMAL	38	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	38	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK		RADIATION:							NOTE 1
AIR INLET SOV		NORM GAMMA	7E2	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E3	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: B		NORM BETA	0	0	1	2	TEST-IDENT	YES	
JUSTIF. REF: 3		ACC BETA	6E2	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	FB-148-G	PREPARED BY: C. A. OPALEK				DATE			
		REVIEWED BY: W. MCALLISTER				DATE			
FLOOD LEVEL		DOCUMENT REFERENCE:	NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.						
ELEVATION: LATER		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ABOVE FLOOD		DOCUMENT NO. 215.150, REV.2, 1984							
LEVEL? YES		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ABOVE SPRAY/		SDDF # 6247.481-130-002A							
FROTH LEVEL?		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
		CEOT-16							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_47481BK____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1IAS*PT48A	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
INSTRUMENT AIR	ABNORMAL	122	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG):							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
	RH (%):							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK	RADIATION:							NOTE 1
AIR INLET SOV	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	4.4E7	2.2E7	1	2	TEST-IDENT	NO	NOTE 2
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	NA	
	ACC BETA	500	0	1	2	TEST-IDENT	NO	
	NEUTRON	0	0	1	2	TEST-IDENT	NA	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-5								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-16
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

2.SEE IOC "CASE SPECIFIC EQ PROBLEMS, VALI SPECS AND ZONES" CONRAD TO TSZABO, 5/11/

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481BL REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 11AS*PT48B	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
INSTRUMENT AIR	ABNORMAL	122	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	122	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 11536B7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	90	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK	RADIATION:							NOTE 1
AIR INLET SOV	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	4.4E7	2.2E7	1	2	TEST-IDENT	NO	NOTE 2
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	NA	
	ACC BETA	500	0	1	2	TEST-IDENT	NO	
	NEUTRON	0	0	1	2	TEST-IDENT	NA	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%				PREPARED BY: C. A. OPALEK		DATE		
DEMO: 0.25%				REVIEWED BY: W. MCALLISTER		DATE		
ZONE NO.: AB-141-6				DOCUMENT REFERENCE:		NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.		
FLOOD LEVEL				1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC		2.SEE IOC "CASE SPECIFIC EQ PROBLEMS, VA I		
ELEVATION: LATER				DOCUMENT NO. 215.150, REV.2, 1984		SPECS AND ZONES" CONRAD TO TSABO, 5/1/		
ABOVE FLOOD				2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,				
LEVEL? YES				SDDF # 6247.481-130-002A				
ABOVE SPRAY/				3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:				
FROTH LEVEL?				CECT-16				
				4. SEE SPEC				
DOCUMENTATION ACCEPTABILITY:				5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,				
ACCEPTABLE TO NUREG 0588,CAT I				SDDF # 6247.481-130-001A				
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 13.3								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481BM REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 11AS*PT49A	OP. TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	96	120	1	2	TEST-IDENT	NA	NOTE 1
INSTRUMENT AIR	ABNORMAL	131	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	131	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	-.1TD-.25WG	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	-.62"WG	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	-.62"WG	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 11536B7	NORMAL	55	-	1	2	TEST-IDENT	YES	
	ABNORMAL	38	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	38	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK	RADIATION:							NOTE 1
AIR INLET SOV	NORM GAMMA	7E2	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E3	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	6E2	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.: FB-148-G	<p>DOCUMENT REFERENCE:</p> <p>1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC</p> <p>DOCUMENT NO. 15.150, REV.2, 1984</p> <p>2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,</p> <p>SDDF # 6247.481-130-002A</p> <p>3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:</p> <p>CEOT-16</p> <p>4. SEE SPEC</p> <p>5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,</p> <p>SDDF # 6247.481-130-001A</p>							
FLOOD LEVEL	NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,							
ELEVATION: LATER	SEE THE DOCUMENT REFERENCED.							
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588,CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	11AS*PT49B	OP.TIME:	1 HOUR	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:		NORMAL	96	120	1	2	TEST-IDENT	NA	
INSTRUMENT AIR		ABNORMAL:	131	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT:	131	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	-.1TO-.25WG	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL:	-.62"WG	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT:	-.62"WG	55	1	2	TEST-IDENT	YES	
		RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.:	11538B7	NORMAL	55	-	1	2	TEST-IDENT	YES	
		ABNORMAL:	38	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT:	38	100	1	2	TEST-IDENT	YES	
CONTROL ACCUMULATOR TANK		RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
AIR INLET SOV		NORM GAMMA:	7E2	-	1	6	TEST-IDENT	YES	
		ACC GAMMA:	2E3	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA:	0	0	1	2	TEST-IDENT	YES	
		ACC BETA:	6E2	0	1	2	TEST-IDENT	YES	
		NEUTRON:	0	0	1	2	TEST-IDENT	YES	
		SPRAY:							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	FB-148-G	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-16							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	11CS*PT101	OP.TIME:	NA	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	90	120	1	2	TEST-IDENT	NA	
REACTOR CORE ISOLATION		ABNORMAL	140	-				NA	
COOLING		ACCIDENT	165	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG):							NOTE 1
PRESSURE TRANSMITTER		NORMAL	-1.0"H2O	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	2.3	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	9	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB9PA	NORMAL	50	-	1	2	TEST-IDENT	YES	
		ABNORMAL	100	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
		RADIATION:							NOTE 1
		NORM GAMMA	9E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1.8E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: NA		NORM BETA	2E3	0	1	2	TEST-IDENT	YES	
		ACC BETA	1.5E8	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	CT-G								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: NONE
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481BP REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							REMARKS
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1LSV*PT10A	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.401	TEMP (F):							
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
PENETRATION VALVE LEAKAGE	ABNORMAL	114	-				NA	
CONTROL	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 1153507	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:							NOTE 1
PRESSURE	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. DPALK				DATE			
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.: AB-141-2	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-3							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN: DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT10B	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	114	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE		ABNORMAL	114	-				NA	
CONTROL		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG):							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	11536B7	RH (%):							NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -		ABNORMAL	90	-				NA	
DETECT LOW SEAL AIR		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
PRESSURE		RADIATION:							NOTE 1
		NORM GAMMA:	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA:	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA:	0	0	1	2	TEST-IDENT	YES	
		ACC BETA:	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-141-2	DOCUMENT REFERENCE:				NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.100, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS: POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-3							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0589,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									

QUAL REF # 47481BR REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1LSV*PT12A	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:								
PENETRATION VALVE LEAKAGE	NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
CONTROL	ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:							NOTE 1
PRESSURE	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-141-2								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 14.7								
REFERENCE: 2								

PREPARED BY: C. A. OPALEK

REVIEWED BY: W. MCALLISTER

DATE

DATE

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-3
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT12B								
SPEC NO.:	247.481	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SYSTEM:		TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PENETRATION VALVE LEAKAGE		NORMAL	114	120	1	2	TEST-IDENT	NA	
CONTROL		ABNORMAL	114	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	11536B7	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-141-2								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,
SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:
 1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC
 DOCUMENT NO. 215.150, REV.2, 1984
 2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
 SDDF # 6247.481-130-002A
 3. RBSI POST-ACCIDENT OPERABILITY PERIOD:
 CEOT-3
 4. SEE SPEC
 5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
 SDDF # 6247.481-130-001A

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_474818T____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1LSV*PT14A	OP. TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
PENETRATION VALVE LEAKAGE	ABNORMAL	134	-				NA	
CONTROL	ACCIDENT	150	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.: 1153686PA	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	35	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	6E6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE:	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-114-6	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-3							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 13.3								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.: 1LSV*PT14B		OP. TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481		TEMP (F):							
SYSTEM:		NORMAL	114	120	1	2	TEST-IDENT	NA	NOTE 1
PENETRATION VALVE LEAKAGE		ABNORMAL	114	-				NA	
CONTROL		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG)							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%)							NOTE 1
MODEL NO.: 1153GP6PA		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:							NOTE 1
PRESSURE		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK					DATE		
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER					DATE		
ZONE NO.: AB-141-2		DOCUMENT REFERENCE:					NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,		
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC					SEE THE DOCUMENT REFERENCED.		
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-3							
		4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.: ILSV*PT17A									
SPEC NO.: 247.481									
SYSTEM:									
PENETRATION VALVE LEAKAGE									
CONTROL									
TYPE: (DESCRIPTION)									
PRESSURE TRANSMITTER									
MANUFACTURER: ROSEMOUNT									
MODEL NO.: 11536B6PA									
SAFETY FUNCTION: - - -									
DETECT LOW SEAL AIR									
PRESSURE									
OP. CODE: A									
ACCURACY - -									
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.: AB-095-2									
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 18									
REFERENCE: 2									

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,
SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC
DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
SDDF # 6247.481-130-002A
3. RBSI POST-ACCIDENT OPERABILITY PERIOD:
CEOT-3
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,
SDDF # 6247.481-130-001A

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT17B	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	114	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE		ABNORMAL	114	-				NA	
CONTROL		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS(P SIG)							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB6PA	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:							NOTE 1
PRESSURE		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEND: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-141-2	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-3							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									
		</							

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_47481BX_____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1LSV*PT21A	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
PENETRATION VALVE LEAKAGE	ABNORMAL	134	-				NA	
CONTROL	ACCIDENT	150	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)							
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 1153GB6PA	NGRMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	35	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:							NOTE 1
PRESSURE	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	6E6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-114-6	PREPARED BY: C. A. OPALEK			DATE _____				
FLOOD LEVEL	REVIEWED BY: W. MCALLISTER			DATE _____				
ELEVATION: LATER	DOCUMENT REFERENCE:							
ABOVE FLOOD	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
LEVEL? YES	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE SPRAY/	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
FROTH LEVEL?	SDDF # 6247.481-130-002A							
	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
	CEOT-3							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 13.3								
REFERENCE: 2								

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,
SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT21B	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE		ABNORMAL	135	-				NA	
CONTROL		ACCIDENT	160	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS (PSIG):							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.8	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB6PA	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	35	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:							NOTE 1
PRESSURE		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	8E6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	AB-114-5	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002A							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?		CEOT-3							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 13.3									
REFERENCE: 2									

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CA REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1LSV*PT22B	OP. TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	114	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE	ABNORMAL	114	-				NA	
CONTROL	ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE TRANSMITTER	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
MODEL NO.: 1153GB7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
PRESSURE	NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	2E6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%				PREPARED BY: C. A. OPALEK REVIEWED BY: W. MCALLISTER				
DEMO: 0.25%				DATE _____ DATE _____				
ZONE NO.: AB-141-3	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?	CEOT-3							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0589, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 17.9								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CB REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT26A	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	114	120	1	2	TEST-IDENT	NA	
PENETRATION VALVE LEAKAGE		ABNORMAL	114	-				NA	
CONTROL		ACCIDENT	135	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)		PRESS(PSIG)							NOTE 1
PRESSURE TRANSMITTER		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153GB7PA	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	90	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:							NOTE 1
PRESSURE		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	2E4	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%						DATE			
DEMO: 0.25%		PREPARED BY: C. A. DPALK				DATE			
ZONE NO.:	AB-141-2	REVIEWED BY: W. MCALLISTER				DATE			
FLOOD LEVEL		DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,			
ELEVATION: LATER		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC				SEE THE DOCUMENT REFERENCED.			
ABOVE FLOOD		DOCUMENT NO. 215.150, REV.2, 1984							
LEVEL? YES		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ABOVE SPRAY		SDDF # 6247.481-130-002A							
FROTH LEVEL?		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
		CEOT-35							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 14.7									
REFERENCE: 2									

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NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS,
SEE THE DOCUMENT REFERENCED.

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1LSV*PT9B	OP.TIME:	30 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							
SYSTEM:									
PENETRATION VALVE LEAKAGE		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
CONTROL		ABNORMAL	133	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	140	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG)							
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%):							
MODEL NO.:	1153GP7	NORMAL	90	-	1	2	TEST-IDENT	YES	NOTE 1
		ABNORMAL	36	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
DETECT LOW SEAL AIR		RADIATION:							NOTE 1
PRESSURE		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	4E5	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-114-3								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-3
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	IRHS*FT15B	OP.TIME:	NA	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
RESIDUAL HEAT REMOVAL		ABNORMAL	131	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	122	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS(PSIG):							NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	ATMOS	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153DB6PA	NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	36	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	90	100	1	2	TEST-IDENT	YES	
NA		RADIATION:							NOTE 1
		NORM GAMMA	700	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	BE6	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: NONE		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-095-6								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1RHS*FT15C		OP.TIME:	NA	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481		TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
RESIDUAL HEAT REMOVAL		ABNORMAL	269	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	225	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS(PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	ATMOS	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	3.3	55	1	2	TEST-IDENT	YES	
		RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	4	-				NA	
MODEL NO.: 1153DB6PA		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
SAFETY FUNCTION: - - -		RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
NA		NORM GAMMA	3.3E7	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	7E5	2.2E7	1	2	TEST-IDENT	YES	
		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.: AB-095-3		PREPARED BY: C. A. OPALEK				DATE			
		REVIEWED BY: W. MCALLISTER				DATE			
FLOOD LEVEL		DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS,			
ELEVATION: LATER		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC				SEE THE DOCUMENT REFERENCED.			
ABOVE FLOOD		DOCUMENT NO. 215.150, REV.2, 1984							
LEVEL? YES		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ABOVE SPRAY/		SDDF # 6247.481-130-002A							
FROTH LEVEL?		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
		NONE							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 12.7									
REFERENCE: 2									

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

DUAL REF # 47481CH REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.: 1RHS*LT119		OP.TIME:	NA	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481		TEMP (F):							
SYSTEM:		NORMAL	90	120	1	2	TEST-IDENT	NA	NOTE 1
RESIDUAL HEAT REMOVAL		ABNORMAL	140	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	165	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG)							
		NORMAL	-1.0"H2O	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
		ABNORMAL	2.3	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	9	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153DB5PA		RH (%)							
		NORMAL	50	-	1	2	TEST-IDENT	YES	NOTE 1
		ABNORMAL	100	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
NA		RADIATION:							
		NORM GAMMA	9E5	-	1	6	TEST-IDENT	YES	NOTE 1
		ACC GAMMA	1.8E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: NONE		NORM BETA	2E3	0	1	2	TEST-IDENT	YES	
		ACC BETA	1.5E8	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.: CT-6									
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT I									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

DOCUMENT REFERENCE:

- ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
- RBS1 POST-ACCIDENT OPERABILITY PERIOD: NONE
- SEE SPEC
- VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CJ REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1SFC*LT11B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	90	120	1	2	TEST-IDENT	NA	
SPENT FUEL POOL COOLING		ABNORMAL	140	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	165	303	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE LEVEL		PRESS (PSIG):							NOTE 1
TRANSMITTER		NORMAL	-1.0"H2O	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	2.3	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	9	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.:	1153DB5PG	NORMAL	50	-	1	2	TEST-IDENT	YES	
	1159C10A	ABNORMAL	100	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT DRYER STORAGE POOL		RADIATION:							NOTE 1
LEVEL		NORM GAMMA	9E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1.8E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	2E3	0	1	2	TEST-IDENT	YES	
		ACC BETA	1.5E8	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	CT-G								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT 1									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									
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RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF #_47481CK____ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1SFC*LT28A	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	96	120	1	2	TEST-IDENT	NA	NOTE 1
SPENT FUEL POOL COOLING	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	NA	303	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE LEVEL	PRESS (PSIG)							NOTE 1
TRANSMITTER	NORMAL	-.110-.25WG	ATMOS	1	2	TEST-IDENT	NA	
MANUFACTURER: ROSEMOUNT	ABNORMAL	NA	-				NA	
MODEL NO.: 1153DB5PG	ACCIDENT	NA	55	1	2	TEST-IDENT	YES	
1159C10A	RH (%)							NOTE 1
SAFETY FUNCTION: - - -	NORMAL	55	-	1	2	TEST-IDENT	YES	
TRANSMIT DRYER STORAGE POOL	ABNORMAL	NA	-				NA	
LEVEL	ACCIDENT	NA	100	1	2	TEST-IDENT	YES	
OP. CODE: A	RADIATION:							NOTE 1
	NORM GAMMA	7E4	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	40	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	6E2	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK				DATE _____			
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER				DATE _____			
ZONE NO.: FB-113-1	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002B							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?								
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 20								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1SFC*LT28B	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
SPENT FUEL POOL COOLING		ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
DIFFERENTIAL PRESSURE LEVEL		PRESS(PSIG)							NOTE 1
TRANSMITTER WITH REMOTE SEALS		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	1153DB5PG	RH (%):							NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
TRANSMIT FUEL STORAGE POOL		RADIATION:							NOTE 1
LEVEL		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%		PREPARED BY: C. A. OPALEK				DATE			
DEMO: 0.25%		REVIEWED BY: W. MCALLISTER				DATE			
ZONE NO.:	FB-113-1	DOCUMENT REFERENCE:				NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
FLOOD LEVEL		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER		DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES		SDDF # 6247.481-130-002B							
ABOVE SPRAY/		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?YES									
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 20									
REFERENCE: 2									

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
					SPECIFIED	QUALIFIED			
EQUIP NO.:	1SWP*PT21A	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.:	247.481	TEMP (F):							NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
SERVICE WATER		ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS(PSIG)							NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.:	1153GB7	RH (%):							NOTE 1
		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
STBY SERV WATER LOW PRESS		RADIATION:							NOTE 1
INITIATION SIGNAL		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE:	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.:	AB-095-6								
FLOOD LEVEL									
ELEVATION: LATER									
ABOVE FLOOD									
LEVEL? YES									
ABOVE SPRAY/									
FROTH LEVEL?YES									
DOCUMENTATION ACCEPTABILITY:									
ACCEPTABLE TO NUREG 0588,CAT 1									
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									
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RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CU REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1SWP*PT21C	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
SERVICE WATER	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 11536B7	RH (%):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
STBY SERV WATER LOW PRESS	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
INITIATION SIGNAL	NORM GAMMA:	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE:	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-095-6	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL? YES	CEOT-14							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588, CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

ENVIRONMENTAL CONDITIONS AND QUALIFICATION

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED	QUALIFIED	DOCUMENT REFERENCE		QUAL	MARGIN	REMARKS
		VALUE	VALUE	SPECIFIED	QUALIFIED	METHOD	DEMO	
EQUIP NO.: 1SWP*PT21D	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	122	120	1	2	TEST-IDENT	NA	NOTE 1
SYSTEM:	ABNORMAL:	NA	-				NA	
SERVICE WATER	ACCIDENT:	145	303	1	2	TEST-IDENT	YES	
TYPE: (DESCRIPTION)	PRESS (PSIG):	ATMOS	ATMOS	1	2	TEST-IDENT	NA	NOTE 1
PRESSURE TRANSMITTER	ABNORMAL:	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT:	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153GB7	RH (%):	90	-	1	2	TEST-IDENT	YES	NOTE 1
SAFETY FUNCTION: - - -	ABNORMAL:	NA	-				NA	
STBY SERV WATER LOW PRESS	ACCIDENT:	100	100	1	2	TEST-IDENT	YES	
INITIATION SIGNAL	RADIATION:	2E5	-	1	6	TEST-IDENT	YES	NOTE 1
OP. CODE: A	ACC GAMMA:	1E7	2.2E7	1	2	TEST-IDENT	YES	
	NORM BETA:	0	0	1	2	TEST-IDENT	YES	
	ACC BETA:	500	0	1	2	TEST-IDENT	YES	
	NEUTRON:	0	0	1	2	TEST-IDENT	YES	
	SPRAY:							
ACCURACY - -	SUBMERGENCE:	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-095-6	DOCUMENT REFERENCE:			NOTES: 1.FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215-150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL?YES	CEOT-14							
DOCUMENTATION ACCEPTABILITY:	4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

SYSTEM COMPONENT EVALUATION WORK SHEET

DUAL REF # 47481CW REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		DUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1SWP*PT21E	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
SERVICE WATER	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
	RH (%)							NOTE 1
MODEL NO.: 11536B7	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
STBY SERV WATER LOW PRESS	RADIATION:							NOTE 1
INITIATION SIGNAL	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%	PREPARED BY: C. A. OPALEK			DATE				
DEMO: 0.25%	REVIEWED BY: W. MCALLISTER			DATE				
ZONE NO.: AB-095-6	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
FROTH LEVEL? YES	CEOT-14							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588, CAT 1	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CX REV 0

EQUIPMENT DESCRIPTION		ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
		PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1SWP*PT21F		OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481		TEMP (F):							NOTE 1
SYSTEM:		NORMAL	122	120	1	2	TEST-IDENT	NA	
SERVICE WATER		ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)		ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER		PRESS (PSIG)							NOTE 1
		NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
		ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT		ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
		RH (%):							NOTE 1
MODEL NO.: 1153GB7		NORMAL	90	-	1	2	TEST-IDENT	YES	
		ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -		ACCIDENT	100	100	1	2	TEST-IDENT	YES	
		RADIATION:							NOTE 1
		NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
		ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A		NORM BETA	0	0	1	2	TEST-IDENT	YES	
		ACC BETA	500	0	1	2	TEST-IDENT	YES	
		NEUTRON	0	0	1	2	TEST-IDENT	YES	
		SPRAY							
ACCURACY - -		SUBMERGENCE	NO	-	4				
SPEC: 0.25%									
DEMO: 0.25%									
ZONE NO.: AB-095-6		PREPARED BY: C. A. OPALEK				DATE			
		REVIEWED BY: W. MCALLISTER				DATE			
FLOOD LEVEL		DOCUMENT REFERENCE:				NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.			
ELEVATION: LATER		1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ABOVE FLOOD		DOCUMENT NO. 215.150, REV.2, 1984							
LEVEL? YES		2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ABOVE SPRAY/		SDDF # 6247.481-130-002A							
FROTH LEVEL?YES		3. RBS1 POST-ACCIDENT OPERABILITY PERIOD:							
		CEOT-14							
DOCUMENTATION ACCEPTABILITY:		4. SEE SPEC							
ACCEPTABLE TO NUREG 0588,CAT I		5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
		SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -									
REFERENCE: 2									
QUALIFIED LIFE - - -									
(YEARS): 15.5									
REFERENCE: 2									

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-458

FOR INFORMATION ONLY

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CY REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN: DEMO	REMARKS
				SPECIFIED	QUALIFIED			
EQUIP NO.: 1SWP*PT216	OP.TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	
SERVICE WATER	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153GB7	RRH (%)	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
	RADIATION:	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	NOTE 1
	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%				PREPARED BY: C. A. OPALEK DATE: _____				
DEMO: 0.25%				REVIEWED BY: W. MCALLISTER DATE: _____				
ZONE NO.: AB-095-6	DOCUMENT REFERENCE:			NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.				
FLOOD LEVEL	1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC							
ELEVATION: LATER	DOCUMENT NO. 215.150, REV.2, 1984							
ABOVE FLOOD	2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
LEVEL? YES	SDDF # 6247.481-130-002A							
ABOVE SPRAY/	3. RBS1 POST-ACCIDENT OPERA LITY PERIOD:							
FROTH LEVEL?YES	CEOT-14							
	4. SEE SPEC							
DOCUMENTATION ACCEPTABILITY:	5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT,							
ACCEPTABLE TO NUREG 0588,CAT I	SDDF # 6247.481-130-001A							
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

RIVER BEND STATION - UNIT 1
DOCKET NUMBER 50-45B

SYSTEM COMPONENT EVALUATION WORK SHEET

QUAL REF # 47481CZ REV 0

EQUIPMENT DESCRIPTION	ENVIRONMENTAL CONDITIONS AND QUALIFICATION							
	PARAMETER	SPECIFIED VALUE	QUALIFIED VALUE	DOCUMENT REFERENCE		QUAL METHOD	MARGIN DEMO	REMARKS
EQUIP NO.: 1SWP*PT21H	OP. TIME:	100 DAYS	>1 YEAR	3	2	TEST-IDENT	YES	
SPEC NO.: 247.481	TEMP (F):							
SYSTEM:	NORMAL	122	120	1	2	TEST-IDENT	NA	NOTE 1
SERVICE WATER	ABNORMAL	NA	-				NA	
TYPE: (DESCRIPTION)	ACCIDENT	145	303	1	2	TEST-IDENT	YES	
PRESSURE TRANSMITTER	PRESS (PSIG)							NOTE 1
	NORMAL	ATMOS	ATMOS	1	2	TEST-IDENT	NA	
	ABNORMAL	NA	-				NA	
MANUFACTURER: ROSEMOUNT	ACCIDENT	2.1	55	1	2	TEST-IDENT	YES	
MODEL NO.: 1153GB7	RH (%):							NOTE 1
	NORMAL	90	-	1	2	TEST-IDENT	YES	
	ABNORMAL	NA	-				NA	
SAFETY FUNCTION: - - -	ACCIDENT	100	100	1	2	TEST-IDENT	YES	
	RADIATION:							NOTE 1
	NORM GAMMA	2E5	-	1	6	TEST-IDENT	YES	
	ACC GAMMA	1E7	2.2E7	1	2	TEST-IDENT	YES	
OP. CODE: A	NORM BETA	0	0	1	2	TEST-IDENT	YES	
	ACC BETA	500	0	1	2	TEST-IDENT	YES	
	NEUTRON	0	0	1	2	TEST-IDENT	YES	
	SPRAY							
ACCURACY - -	SUBMERGENCE	NO	-	4				
SPEC: 0.25%								
DEMO: 0.25%								
ZONE NO.: AB-095-6								
FLOOD LEVEL								
ELEVATION: LATER								
ABOVE FLOOD								
LEVEL? YES								
ABOVE SPRAY/								
FROTH LEVEL? YES								
DOCUMENTATION ACCEPTABILITY:								
ACCEPTABLE TO NUREG 0588, CAT I								
MAINT/SURVEILL - - -								
REFERENCE: 2								
QUALIFIED LIFE - - -								
(YEARS): 15.5								
REFERENCE: 2								

DOCUMENT REFERENCE:

1. ENVIRONMENTAL DESIGN CRITERIA (EDC). SWEC DOCUMENT NO. 215.150, REV.2, 1984
2. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-002A
3. RBS1 POST-ACCIDENT OPERABILITY PERIOD: CEOT-14
4. SEE SPEC
5. VENDOR ENVIRONMENTAL QUALIFICATION REPORT, SDDF # 6247.481-130-001A

NOTES: 1. FOR COMPLETE ENVIRONMENTAL CONDITIONS, SEE THE DOCUMENT REFERENCED.

Enclosure 2

BOP - SEISMIC CATEGORY I EQUIPMENT

ENCLOSURE 2

SEISMIC CATEGORY I EQUIPMENT MASTER LIST

Definition of Codes

Bldg - Same as for electrical equipment submitted via Reference 1.

MTG - Mounting Condition
CF - Concrete floor mounting
DW - Concrete wall mounting
DM - Direct mounting
HM - Hanger mounting
RM - Rack mounting
CM - Cabinet mounting
EM - Equipment mounting
LM - Line-mounted equipment

Loads - Indicate whether seismic or hydrodynamic loads are applicable,
Y - Yes
NA - Not applicable

Qual Method - Qualification Method

Analysis: S - Static analysis
D - Dynamic analysis
NA - Not applicable

Test: SF - Single frequency
MF - Multiple frequency
NA - Not applicable

Status - Indicate status of qualification and installation

Qual - Qualification status

Code A - The qualification and associated documentation are complete.

Code B - The qualification testing/analysis is completed, but associated documentation is not yet submitted or is still in review.

Code C - The qualification plan/procedure is documented, but testing has not yet begun.

Inst - Installation status

Code Y - Physical installation is complete

RRS REF - Reference to required response spectra (RRS) number applicable for the respective equipment.

06/30/84

PAGE 1
REPORT DATE XX/XX/XX

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NASS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	LOCATION	LOADS	QUAL METH	NAT FREQ	PRR REF						
				BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM BYS BATTERY - 105V STATION

BCP EQUIPMENT
CHGR BATTERY CHARGER

1BYS-CHGR1D BATT. CHARGER
POWER CONVERS. PROD.

INV

1BYS-INV01A

INVERTER
ELGAR CORP.

1BYS-INV01B

INVERTER
ELGAR CORP.

1BYS-INV02

INVERTER
ELGAR CORP.

1BYS-INV04

INVERTER
ELGAR CORP.

PNL PANEL

1BYS-PNL02A2

PANEL BOARDS
SQUARE "D" CO.

1BYS-PNL02B2

PANEL BOARDS
SQUARE "D" CO.

SWS SWITCHGEAR

1BYS-SWS01D

SWITCHGEAR
EPDM-SOVERI

B Y

A

A

D

A

A

A

3,7,12,17
A

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REPORT DATE XX/XX/XX

JOB NAME BBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NGSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 58-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		LOCATION		LOADS		QUAL MTHM		NAT FREQ		RPS REF	
		SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	DUAL	INST

SYSTEM B21 NUCLEAR BOILER STEAM													

BOP EQUIPMENT													
AQUF													
18211-AQUF001	CHECK VALVES ATWOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	54	NA	Y	
18211-AQUF002	CHECK VALVES ATWOOD & MORRILL CO.	228.218	AB	114	LH	Y	Y	S	MF	54	NA	Y	

AQUF													
18211-AQUF001	VALVE M.O. 2"-1500 LB VELAN	228.214	DM	141	LH	Y	Y	S	MF	78	NA	Y	
18211-AQUF002	VALVE M.O. 2"-1500 LB VELAN	228.214	DM	141	LH	Y	Y	S	MF	78	NA	Y	
18211-AQUF003	VALVE M.O. 2"-1500 LB VELAN	228.214	DM	141	LH	Y	Y	S	MF	78	NA	Y	
18211-AQUF004	VALVE M.O. 3"-600 LB VELAN	228.212	DM	114	LH	Y	Y	S	MF	49	NA	Y	
18211-AQUF005	VALVE M.O. 3"-600 LB VELAN	228.212	DM	114	LH	Y	Y	S	MF	49	NA	Y	
18211-AQUF006	VALVE M.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	N	S	MF	50	NA	Y	
18211-AQUF007	VALVE M.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA	Y	
18211-AQUF008	VALVE M.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA	Y	
18211-AQUF009	VALVE M.O. 3/4"-1500 LB VELAN	228.214	AB	141	LH	Y	Y	S	MF	50	NA	Y	
18211-AQUF010	VALVE M.O. 20"-900 VELAN	228.212	AB	070	LH	Y	Y	S	MF	49	NA	Y	
18211-AQUF011	VALVE M.O. 20"-900 LB VELAN	228.212	DM	073	LH	Y	Y	S	MF	49	NA	Y	
18211-AQUF012	VALVE M.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	Y	S	MF	61	NA	Y	
18211-AQUF013	VALVE M.O. 1.5"-1500 LB VELAN	228.214	AB	114	LH	Y	Y	S	MF	61	NA	Y	

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REPORT DATE XX/XX/XX

JOB NAME RBS - UNIT 1
UTILITY GULF STATES

DESIGN AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
RSSS SUPPLIER: GENERAL ELECTRIC

DRAWING NO. 50-468

EQUIP. ID	DESCRIPTION	EQUIPMENT	SPEC NO.	LOCATION	LOADS	QUAL METH	NAT FREQ	RFS REF						
				BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM B11 NUCLEAR BOILER STEAM

ROUT

1001-00000000	VALVE M.O. 1.5"-1500 LB		228.214	AD	114	LM	Y	Y	5	HF	41	NA	B	
1001-00000000	VALVE M.O. 1.5"-1500 LB		228.214	AD	114	LM	Y	Y	5	HF	41	NA	B	
1001-00000000	VALVE M.O. 3"-600 LB		228.212	DM	114	LM	Y	Y	5	HF	49	NA	B	Y
1001-00000000	VALVE M.O. 3"-600 LB		228.212	AD	114	LM	Y	Y	5	HF	49	NA	B	Y
1001-00000000	VALVE M.O. 24"-900 LB		228.212	AD	114	LM	Y	Y	5	HF	48	NA	B	Y
1001-00000000	VALVE M.O. 24"-900 LB		228.212	AD	114	LM	Y	Y	5	HF	48	NA	B	Y
1001-00000000	VALVE M.O. 24"-900 LB		228.212	AD	114	LM	Y	Y	5	HF	48	NA	B	Y
1001-00000000	VALVE M.O. 24"-900 LB		228.212	AD	114	LM	Y	Y	5	HF	48	NA	B	Y

UP

1001-00000000	20"-900# GATE VALVE		228.211	DM	122	LM	Y	Y	5	NA	49	NA	B	
1001-00000000	20"-900# GATE VALVE		228.211	DM	122	LM	Y	Y	5	NA	49	NA	B	

06/20/04

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REPORT DATE 06/20/04

JOB NAME: BSS - UNIT 1
UTILITY: GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
BSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 33-4038

GROUP ID	DESCRIPTION	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH	NUT	FREQ	BSS	REF	STATUS	QUAL	INST
----------	-------------	-----------	----------	------	------	-----	------	------	-------	------	-------	------	------	-----	------	-----	-----	--------	------	------

SYSTEM BSS REACTOR RELAY VALVE FLUID CONTROL

BSS EQUIPMENT

1033-10007019	3/4"-15000 GLOBE FISHER CONTROLS		247-001	DM																
1033-10007023	3/4"-15000 GLOBE FISHER CONTROLS		247-001	CT																

LN Y Y
LN Y Y

NA
D
NA
D

Y

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REPORT DATE XX/XX/XXJOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	---------	--------	-----------

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

BOP EQUIPMENT
E

1CCP-E1A	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	70'		Y	N	S	NA			D	
1CCP-E1B	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	95'		Y	N	S	NA			D	
1CCP-E1C	HEAT EXCHANGER STRUTHERS WELLS	237.210	AB	95'		Y	N	S	NA			D	

FT FLOW TRANSMITTER

1CCP-FT56A	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	79	RH	Y	N	N	MF	22		A	
1CCP-FT56B	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	FB	79	RH	Y	N	N	MF	22		A	

MOV MOTOR OPERATED VALVE

1CCP*MOV129	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58		NA	
1CCP*MOV130	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LH	Y	N	D	NA	58		NA	
1CCP*MOV138	VALVE M.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58		NA	
1CCP*MOV142	6"-150# BUTTERFLY JAMESBURY	228.243	CT		LH	Y	Y	D	NA	58		NA	
1CCP*MOV143	6"-150# BUTTERFLY JAMESBURY	228.243	CT		LH	Y	Y	D	NA	58		NA	
1CCP*MOV144	6"-150# BUTTERFLY JAMESBURY	228.243	DH		LH	Y	Y	D	NA	58		NA	
1CCP*MOV158	VALVE M.O. 10"-600 LB VELAN	228.212	CT	114	LH	Y	Y	S	HF	58		NA	
1CCP*MOV159	VALVE M.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58		NA	

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REPORT DATE XX/XX/XXJOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	STATUS	INST
			BLDG	ELEV MTG	SEIS	HYDR					

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

MOV MOTOR OPERATED VALVE

ICCP#MOV16A	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LM	Y	N	D	NA	58	NA A
ICCP#MOV16B	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LM	Y	N	D	NA	58	NA A
ICCP#MOV163	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LM	Y	N	S	MF	78	NA B
ICCP#MOV169	VALVE H.O. 2"-1500 LB VELAN	228.214	FB	070	LM	Y	N	S	MF	78	NA B
ICCP#MOV335	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LM	Y	N	D	NA	58	NA A
ICCP#MOV336	12"-150# BUTTERFLY JAMESBURY	228.243	AB	70	LM	Y	N	D	NA	58	NA A

PT PRESSURE TRANSMITTER

ICCP#PT1A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1C	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1D	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1E	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1F	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1G	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y
ICCP#PT1H	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	70	RH	Y	N	NA	MF		B Y

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JOB NAME	RBS - UNIT 1
UTILITY	GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT

MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

[illegible]

SYSTEM CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

23

✱

ICCP#	RELIEF VALVES	247.521	RB	123	LM	Y	Y	S	SO	157	NA
ICCP#RV151	RELIEF VALVES	247.521	RB	123	LM	Y	Y	S	SO	157	NA
ICCP#RV155	RELIEF VALVES	247.521	RB	125	LM	Y	Y	S	SO	157	NA
ICCP#RV57A	RELIEF VALVES	247.521	FB	60	LM	Y	N	S	SO	239	NA
ICCP#RV57B	RELIEF VALVES	247.521	FB	68	LM	Y	N	S	SO	239	NA
ICCP#RV60A	RELIEF VALVES	247.521	AB	63	LM	Y	N	S	SO	239	NA
ICCP#RV60B	RELIEF VALVES	247.521	AB	63	LM	Y	N	S	SO	239	NA
ICCP-RV104	RELIEF VALVE	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV52A	RELIEF VALVE	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV52B	RELIEF VALVE	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV63A	RELIEF VALVE	247.524	FB	70	LM	Y	N	S	NA	>33	A
ICCP-RV63B	RELIEF VALVE	247.524	FB	70	LM	Y	N	S	NA	>33	A

TH

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ICCP*TW55A	247.461	FE	95	Y	N	NA	NF
THERMOCOUPLES RTD							
PYCO							
ICCP*TW55B	247.461 <td>FB <td>95 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td></td>	FB <td>95 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td>	95 <td>Y <td>N <td>NA <td>NF</td> </td></td></td>	Y <td>N <td>NA <td>NF</td> </td></td>	N <td>NA <td>NF</td> </td>	NA <td>NF</td>	NF
THERMOCOUPLES RTD							
PYCO							
ICCP*TW71A	247.461 <td>AB <td>70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td></td>	AB <td>70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td>	70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td>	Y <td>N <td>NA <td>NF</td> </td></td>	N <td>NA <td>NF</td> </td>	NA <td>NF</td>	NF
THERMOCOUPLES RTD							
PYCO							
ICCP*TW71B	247.461 <td>AB <td>70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td></td>	AB <td>70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td></td>	70 <td>Y <td>N <td>NA <td>NF</td> </td></td></td>	Y <td>N <td>NA <td>NF</td> </td></td>	N <td>NA <td>NF</td> </td>	NA <td>NF</td>	NF
THERMOCOUPLES RTD							
PYCO							

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
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SYSTEM CES COMMON ELECTRICAL

BOP EQUIPMENT
PNL PANEL

1CES*PNL6A	RACKS FOXBORO/EH	242.444	CB	115		Y	N	NA	HF		8 A	Y
1CES*PNL6B	RACKS FOXBORO/EH	242.444	CB	115		Y	N	NA	HF		8 A	Y
1CES*PNL6C	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	116		Y	N	S	HF	LATER	9 C	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST
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SYSTEM CFS

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BOP EQUIPMENT

LT LEVEL TRANSMITTER

1CFS*LT11A	PRESS TRANSMITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	MF				B
1CFS*LT11B	PRESS TRANSMITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	MF				B
1CFS*LT28A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	113	RH	Y	N	NA	MF				B
1CFS*LT28B	PRESS TRANSMITT ROSEMOUNT	247.481	FB	113	RH	Y	N	NA	MF				B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS---	QUAL	INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORINGBOP EQUIPMENT
AT ANALYZER TRANSMITTER

1CHS*AT25A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114	CF	Y	N	S	HF	19	3,4 B
1CHS*AT25B	HYDROGEN ANAL. CONSIP INC	247.421	AB	141	CF	Y	N	S	HF	19	3,4 B

LT LEVEL TRANSMITTER

1CHS*LT23A	PRESS TRANSHITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	HF		B
1CHS*LT23B	PRESS TRANSHITT ROSEMOUNT	247.481	CT		RH	Y	Y	NA	HF		B

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1CHS*PDT29A	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	HF		B Y
1CHS*PDT29B	PRESS. TRANSHITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	HF		B

PNL PANEL

1CHS*PNL10A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114	CF	Y	N	S	HF	19	3,4 B
1CHS*PNL10B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	141	CF	Y	N	S	HF	19	3,4 B
1CHS*PNL12A	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114	CF	Y	N	S	HF	19	3,4 B
1CHS*PNL12B	HYDROGEN ANAL. CONSIP INC.	247.421	AB	114	CF	Y	N	S	HF	19	3,4 B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

PT PRESSURE TRANSMITTER

1CHS*PT2A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	Y
1CHS*PT2B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	
1CHS*PT4A	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	Y
1CHS*PT4B	PRESS. TRANSMITT. ROSEMOUNT	247.481	AB	141	RH	Y	N	NA	MF	B	

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD24A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24E	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24F	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24G	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24H	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24J	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD24K	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD40A	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS---	QUAL	INST

SYSTEM CMS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD40B	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	
1CHS*RTD40C	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD40D	THERMOCOUPLES RTD PYCO	247.461	CT	95	DW	Y	Y	NA	MF	C
1CHS*RTD41A	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF	C
1CHS*RTD41B	THERMOCOUPLES RTD PYCO	247.461	DW	95	DW	Y	Y	NA	MF	C
1CHS*RTD41C	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF	C
1CHS*RTD41D	THERMOCOUPLES RTD PYCO	247.461	DW	145	DW	Y	Y	NA	MF	C
1CHS*RTD42A	THERMOCOUPLES RTD PYCO	247.461	CT	167	DW	Y	Y	NA	MF	C
1CHS*RTD42B	THERMOCOUPLES RTD PYCO	247.461	CT	167	DW	Y	Y	NA	MF	C
1CHS*RTD42C	THERMOCOUPLES RTD PYCO	247.461	CT	162	DW	Y	Y	NA	MF	C
1CHS*RTD42D	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42E	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42F	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42G	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42H	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42J	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C
1CHS*RTD42K	THERMOCOUPLES RTD PYCO	247.461	CT	118	DW	Y	Y	NA	MF	C

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

RTD RESISTANCE TEMPERATURE RECORDER

1CHS*RTD43A	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C
1CHS*RTD43B	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C
1CHS*RTD43C	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C
1CHS*RTD43D	THERMOCOUPLES PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C
1CHS*RTD43E	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C
1CHS*RTD43F	THERMOCOUPLES RTD PYCO	247.461	DW	145 DW	Y	Y	NA	MF		C

SOV SOLENOID VALVE

1CHS*SOV31A	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF		NA B
1CHS*SOV31B	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF	139	NA B
1CHS*SOV31C	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF		NA B
1CHS*SOV31D	VALVE 3/4" TARGET ROCK	247.501	AB	141 LH	Y	Y	S	MF	139	NA B
1CHS*SOV32A	VALVE 3/4" TARGET ROCK	247.501	RB	141 LH	Y	Y	S	MF		NA B
1CHS*SOV32G	VALVE 3/4" TARGET ROCK	247.501	RB	141 LH	Y	Y	S	MF		NA B
1CHS*SOV33A	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139	NA B
1CHS*SOV33AA	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139	NA B
1CHS*SOV33B	VALVE 3/4" TARGET ROCK	247.501	RB	170 LH	Y	Y	S	MF	139	NA B

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JOB NAME RES - UNIT 1
UTILITY GULF STATES

CEISHIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	INST
1CHS-SOV33BB	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33C	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33D	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33E	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33F	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33G	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33H	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33J	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33K	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33S	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33T	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33U	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33V	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33W	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33X	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
1CHS-SOV33Y	TARGET ROCK	247.501	RB	170	LM	Y	Y	S	HF	139	B
1CHS-SOV33Z	VALVE 3/4"	247.501	RB	170	LM	Y	Y	S	HF	139	NA
	TARGET ROCK										B

SYSTEM CHS CONTAINMENT ATMOSPHERE MONITORING

SOV SOLENOID VALVE

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REPORT DATE XX/XX/XX

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SOV SOLENOID VALVE

1CHS=SOV34A	VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF	139	NA B
1CHS=SOV34B	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF	139	NA B
1CHS=SOV34C	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF	139	NA D
1CHS=SOV34D	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF	139	NA S
1CHS=SOV35A	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF		NA B
1CHS=SOV35B	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF		NA B
1CHS=SOV35C	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF		NA B
1CHS=SOV35D	TARGET ROCK VALVE 3/4"	247.501	RB	141	LH	Y	Y	S	HF		NA B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM CNS CONDENSATE - MAKE-UP AND DRAHOFF

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1CNS#MOV125	VALVE M.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA Y
1CNS#MOV130	VALVE M.O. 4"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	52	NA Y

RV

1CNS#RV140	RELIEF VALVES CROSSBY	247.521	RB	120	LH	Y	Y	S	SO	157	NA B
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL INST
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SYSTEM CPM CONTAINMENT HYDROGEN MIXING

BOP EQUIPMENT
FN FAN

1CPH*FN1A	MIXING FAN BUFFALO FORGE	215.400	CT	162	CF	Y	Y	S	NA	112	61,128,161 A		
1CPH*FN1B	MIXING FAN BUFFALO FORGE	215.400	CT	162	CF	Y	Y	S	NA	112	61,128,161 A		

MOV MOTOR OPERATED VALVE

1CPH*MOV1A	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV1B	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV2A	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV2B	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV3A	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV3B	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV4A	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	
1CPH*MOV4B	6"-150# BUTTERFLY POSI SEAL	228.241	CT		LH	Y	Y	D	NA	34	NA B	Y	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	INST

SYSTEM CPP CONTAINMENT PURGE

BOP EQUIPMENT
FN FAN

ICPP-FN1	PURGE FAN BUFFALO FORGE	216.130	CT	141		Y	Y	D	NA	61		A
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HOV MOTOR OPERATED VALVE

ICPP*HOV104	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49		NA D
ICPP*HOV105	VALVE H.O. 3"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49		NA D

PNL PANEL

ICPP*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141		Y	N	S	MF	LATER		4 C
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SOV SOLENOID VALVE

ICPP*SOV140	VALVE 1" TARGET ROCK	247.501	AB	141	LM	Y	Y	S	MF	139		NA B
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM CSH CORE SPRAY - HIGH PRESSURE										
BOP EQUIPMENT										
HOSE *										
1CSH*HOSE6	FLEX METAL HOSE MTL BELLOWS	247.011				Y	S	MF	10	B
PDI *										
1CSH-PDI104	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	AB	70	RH	Y	N	N	MF	A
STR *										
1CSH*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LM	N	Y	S	N	445 NA A
TW *										
1CSH*TW102	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF	C

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST

SYSTEM CSL CORE SPRAY - LOW PRESSURE												
BOP EQUIPMENT												
DDI												
1CSL-DDI135	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	AB	70	DW	Y	N	N	MF		A	
PI PRESSURE INDICATOR												
1CSL-PI125	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
STR												
1CSL*STR1	STRAINER ZURN INDUSTRIES	228.957	CT	70	LM	N	Y	S	N	445	NA A	
TH												
1CSL*TH116	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF		C	
V												
1CSL*V1	16"-300# GATE VALVE VELAN	228.211	AB	73	LM	Y	N	S	NA	65	NA B	
1CSL*V31	16"-300# GATE VALVE VELAN	228.211	AB	73	LM	Y	N	S	NA		NA D	

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
											QUAL	INST

SYSTEM C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

BOP EQUIPMENT
MOVF

*

1C11-MOVF083	VALVE M.O. 2"-1500 LB VELAN	228.216	FB	113	LH	Y	Y	S	HF	78	NA B
--------------	--------------------------------	---------	----	-----	----	---	---	---	----	----	---------

RVF

*

1C11-RVF001A	RELIEF VALVE CROSSBY	247.524	FB	70	LH	Y	N	S	NA	>33	A
1C11-RVF001B	RELIEF VALVE CROSSBY	247.524	FB	70	LH	Y	N	S	NA	>33	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM C41 STANDBY LIQUID CONTROL SYSTEM

BOP EQUIPMENT
MOVF

*

1C41*MOVF001A	VALVE H.O. 3"- VELAN	228.216	DH	141	LH	Y	Y	S	MF		NA C
1C41*MOVF001B	VALVE H.O. 3"- VELAN	228.216	DH	141	LH	Y	Y	S	MF		NA C

RVF

*

1C41*RVF029A	RELIEF VALVES CROSBY	247.521	RB	141	LH	Y	Y	S	SO	268	NA CB
1C41*RVF029B	RELIEF VALVES CROSBY	247.521	RB	141	LH	Y	Y	S	SO	268	NA B

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

BUCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	RRS REF
											QUAL INST	

SYSTEM DER DRAINS - REACTOR BLDG EQUIPMENT

BOP EQUIPMENT

AOV AIR OPERATED VALVE

1DER*AOV126	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y				NA D	
1DER*AOV127	4"-150# GLOBE FISHER CONTROLS	247.491	FB	113	LH	Y	Y				NA D	Y

RV

*

1DER*RV180	RELIEF VALVES CROSSBY	247.521	RB	104	LH	Y	Y	S	SO	157	NA B	
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM DFR DRAINS - REACTOR PLANT FLOOR

BOP EQUIPMENT
AOV AIR OPERATED VALVE

1DFR*AOV101	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y				NA
1DFR*AOV102	4"-150# GLOBE FISHER CONTROLS	247.491	AB	114	LH	Y	Y				NA Y

LT LEVEL TRANSMITTER

1DFR*LT134	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B
1DFR*LT135	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B
1DFR*LT136	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B
1DFR*LT137	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B
1DFR*LT138	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B
1DFR*LT139	PRESS TRANSMITT ROSEMOUNT	247.481	AB	70	RM	Y	N	NA	MF		B

RV

1DFR*RV21	RELIEF VALVES CROSBY	247.521	RB	107	LH	Y	Y	S	SO	157	NA B
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

	EQUIPMENT-----		---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	----	RRS REF----
EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST		---STATUS---
	MANUFACTURER							QUAL INST

1

1DRS-UC1A	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13
1DRS-UC1B	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13
1DRS-UC1C	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13
1DRS-UC1D	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13
1DRS-UC1E	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13
1DRS-UC1F	UNIT COOLER BUFFALO FORGE	215.251	DW	141	CF	Y	Y	D	NA	13

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM EGF GENERATOR STANDBY - FUEL

BOP EQUIPMENT
LT LEVEL TRANSMITTER

1EGF*LT16A	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF		B	Y
1EGF*LT16B	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF		B	Y
1EGF*LT16C	PRESS. TRANSMITT. ROSEMOUNT	247.481	DG	98	RM	Y	N	NA	MF		B	Y

P PUMP

1EGF*P1A	FUEL OIL PUMP CRANE DENING PUMPS	237.150	DG	98	EH	Y	N	S	N	8	12	
1EGF*P1B	FUEL OIL PUMP CRANE DENING PUMPS	237.150	DG	98	EH	Y	N	S	N	8	12	
1EGF*P1C	FUEL OIL PUMP CRANE DENING PUMPS	237.150	DG	98	EH	Y	N	S	N	8	12	
1EGF*P2A	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	MF	8	13,14	A
1EGF*P2B	FUEL OIL PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	MF	8	13,14	A

PCF

1EGF*PCF25B	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	>1000	D	
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PCV PRESSURE CONTROL VALVE

1EGF*PCV25A	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	>1000	NA	A
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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM EGF GENERATOR STANDBY - FUEL

PI PRESSURE INDICATOR

1EGF-PI22A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A
1EGF-PI22B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A
1EGF-PI22C	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A

PNL PANEL

1EGF*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N	NA	MF	LATER	13 B	Y
-------------	-------------------------------------	---------	----	----	---	---	----	----	-------	---------	---

POV *

1EGF*POV25B	VALVE - TARGET ROCK	247.501	DG	70	LH	Y	N	S	MF	1000	NA A
-------------	------------------------	---------	----	----	----	---	---	---	----	------	---------

STR *

1EGF*STR2A	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	D A
1EGF*STR2B	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	A
1EGF*STR2C	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	A
1EGF*STR2D	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	A
1EGF*STR2E	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	A
1EGF*STR2F	STRAINERS PALL TRINITY MICRO	228.954	DG	98	CF	Y	N	S	N	87	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM EGO EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM

BOP EQUIPMENT

E

*

1EGO*E1A	LUBE OIL COOLER DELAVAL	244.700	DG	98	EM	Y	N	S	NA	40	13,14 A
1EGO*E1B	LUBE OIL COOLER DELAVAL	244.700	DG	98	EM	Y	N	S	NA	40	13,14 A

P PUMP

1EGO*P1A	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EM	Y	N	NA	SF	>15	13,14 A
1EGO*P1B	AC LUBE OIL PUMP DELAVAL	244.700	DG	98	EM	Y	N	NA	SF	>15	13,14 A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		SEIS	HYDR	ANLYS	TEST	QUAL METH	NAT FREQ	RRS REF	STATUS
			BLDG	ELEV	MTG	MTG								

SYSTEM EGS GENERATOR STANDBY - SYSTEM														
BOP EQUIPMENT														
EG *														
1EGS*EG1A	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EH	Y	N	S	SF	-		13,14		
												D	Y	
1EGS*EG1B	DSL GEN MAJOR CORP. DELAVAL	244.700	DG	98	EH	Y	N	S	SF	-		13,14		
												A	Y	
PNL PANEL														
1EGS*PNL2A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98		Y	N	NA	HF	LATER		12		
												C	Y	
1EGS*PNL2B	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98		Y	N	NA	HF	LATER		12		
												C	Y	
RES *														
1EGS-RES1A	GROUND RESISTOR GE	242.302	DG	98		Y	N	N	SFHD	7.5				
												A		
1EGS-RES1B	GROUND RESISTOR GE	242.302	DG	98		Y	N	N	SFHD	7.4				
												A		

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM EGT EMERGENCY DIESEL GENERATOR JACKET WATER TEMPERATURE SYSTEMBOP EQUIPMENT
E

*

1EGT*E1A	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	N	S	NA	60	13,14 A
1EGT*E1B	JACKET WTR COOLER DELAVAL	244.700	DG	98	EH	Y	N	S	NA	60	13,14 A

P PUMP

1EGT*P1A	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	HF	>15	13,14 A
1EGT*P1B	JACKET WTR KEEP WARM PUMP DELAVAL	244.700	DG	98	EH	Y	N	NA	HF	>15	13,14 A

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JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-45J

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH	NAT	FREQ	STATUS	INST
1EHS-MCC14A	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	CB	98	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC14B	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	CB	98	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC15A	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	DG	98	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC15B	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	DG	98	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC16A	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	SH	118	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC16B	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	SH	118	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2A	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2B	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2C	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2D	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2E	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2F	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2G	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2H	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2J	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2K	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y
1EHS-MCC2L	MOTOR CONTROL CENTERS	GOULD, INC.		242.562	AB	141	CF	Y	N	NA	MF	Q				2-9,7,12,17,31	B	Y

SYSTEM EHS MOTOR CONTROL CENTER STANDBY SYSTEM

EOP EQUIPMENT
MCC MOTOR CONTROL CENTER

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	METH-	NAT	FREQ-	PRJ	REF

SYSTEM EMS MOTOR CONTROL CENTER STANDBY SYSTEM

SOP EQUIPMENT
MCC MOTOR CONTROL CENTER

1EMS-MCCBA	MOTOR CONTROL CENTERS GOLD, INC.		242.562	CB	98	CF	Y	N	NA	MF	4			2-4,7,12,17,31	B	Y
1EMS-MCCBB	MOTOR CONTROL CENTERS GOLD, INC.		242.562	CB	98	CF	Y	N	NA	MF	4			2-4,7,12,17,31	B	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FRQ-	---RRS REF---	
			BLDG	ELEV	MTG	SEIS				HYDR

SYSTEM EJS UNIT SUBSTATION STANDBY SYSTEM

BOP EQUIPMENT
LDC LOAD CENTER

1EJS*LDC1A	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF				
1EJS*LDC1B	LOAD CENTER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF		C	Y	
1EJS*LDC2A	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF		C	Y	
1EJS*LDC2B	LOAD CENTER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF		C	Y	

X

*

1EJS*X1A	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF	11			
1EJS*X1B	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF	11		A	
1EJS*X2A	TRANSFORMER POWELL ELECTRIC	242.533	CB	098	CF	Y	N	NA	HF	11		A	
1EJS*X2B	TRANSFORMER POWELL ELECTRIC	242.533	AB	141	CF	Y	N	NA	HF	11		A	
1EJS*X3A	TRANSFORMER POWELL ELECTRIC	242.533	SH	143	CF	Y	N	S	HF	63		A	Y
1EJS*X3B	TRANSFORMER POWELL ELECTRIC	242.533	SH	143	CF	Y	N	S	HF	63		A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---		
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOWEST	---STATUS---

SYSTEM ENB SWGR STANDBY 9160V - DC CONTROL SUPPLY											
BOP EQUIPMENT											
BAT BATTERY											
1ENB*BAT01A	STORAGE BATTERY GOULD	244.521	CB	116	CF	Y	N	S	MF	>10	A Y
1ENB*BAT01B	STORAGE BATTERY GOULD	244.521	CB	116	CF	Y	N	S	MF	>10	A Y
CHGR BATTERY CHARGER											
1ENB*CHGR1A	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	N	NA	MF		B Y
1ENB*CHGR1B	BATT. CHARGER POWER CONVERS. PROD.	244.523	CB	116	CF	Y	N	NA	MF		B Y
INV											
1ENB*INV01A	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9	C Y
1ENB*INV01B	INVERTER ELGAR CORP.	244.512	CB	116	CF	Y	N	N	MF	8,9	C Y
MCC MOTOR CONTROL CENTER											
1ENB*MCC1	MOTOR CONTROL CENTERS GOULD, INC.	242.562	AB	95	CF	Y	N	NA	MF	4	2-4,7,12,17,31 B Y
PNL PANEL											
1ENB*PNL02A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1ENB*PNL02B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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-----EQUIPMENT----- --LOCATION-- --LOADS-- --QUAL METH- --NAT FREQ- ---RRS REF---
EQUIP. ID DESCRIPTION SPEC NO. BLDG ELEV HTG SEIS HYDR ANLYS TEST LOWEST ---STATUS---
                                         QUAL INST
*****
SYSTEM ENB SWGR STANDBY 4160V - DC CONTROL SUPPLY

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1ENB*PNL03A	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1ENB*PNL03B	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y

1ENB*SHG01A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	6	3,7,12,17 A Y
1ENB*SHG01B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	MF	6	3,7,12,17 A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM INS SWGR STANDBY 4160V - SYSTEMBOP EQUIPMENT
SWG SWITCHGEAR

1ENS*SWG1A	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	HF	14	3,7,12,17 A Y
1ENS*SWG1B	SWITCHGEAR BROWN-BOVERI	242.521	CB	098	CF	Y	N	N	HF	14	3,7,12,17 A Y
1ENS*SWG2A	SWITCHGEAR BROWN-BOVERI	242.521	DG	098		Y	N	N	HF	8	3,7,12,17 D Y
1ENS*SWG2B	SWITCHGEAR BROWN-BOVERI	242.521	DG	098	CF	Y	N	N	HF	8	3,7,12,17 A Y
1ENS*SWG3A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	N	N	HF	8	3,7,12,17 A Y
1ENS*SWG3B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	N	N	HF	8	3,7,12,17 A Y
1ENS*SWG4A	SWITCHGEAR BROWN-BOVERI	242.521	FB	095	CF	Y	N	N	HF	8	3,7,12,17 A Y
1ENS*SWG4B	SWITCHGEAR BROWN-BOVERI	242.521	AB	114	CF	Y	N	N	HF	8	3,7,12,17 A Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV MTG	SEIS	HYDR			
									QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL

BOP EQUIPMENT
AOVF

1E12*AOVF041A	CHECK VALVES ATWOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF041B	CHECK VALVES ATWOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF041C	CHECK VALVES ATWOOD & MORRILL CO.	228.218	DW	114	LH	Y	Y	S	HF	108	NA B	Y
1E12*AOVF098	CHECK VALVES ATWOOD & MORRILL CO.	228.218	AB	70	LH	Y	N	S	HF	47	NA B	Y

LVF

1E12*LVF065A	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	N				NA D	
1E12*LVF065B	2"-300# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	N				NA	

MOV MOTOR OPERATED VALVE

1E12*MOV027A	VALVE H.O. 10"-600 LB VELAN	228.212	AB	123	LH	Y	Y	S	HF	58	NA Y	
1E12*MOV027B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA Y	
1E12*MOV094	VALVE H.O. 10"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	58	NA B	Y
1E12*MOV105	VALVE H.O. 20" VELAN	228.212	AB	070	LH	Y	Y		HF		NA B	Y
1E12*MOV52A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095		Y	Y	S	HF	99	NA D	Y
1E12*MOV52B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LN	Y	N	S	HF	87	NA B	Y
1E12*MOV73A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LN	Y	Y	S		78	D	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM E12 RESIDUAL HEAT REMOVAL											

MOV MOTOR OPERATED VALVE

1E12*MOV74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LN	Y	N	S	78		D	
MOVF *												
1E12*MOV003A	VALVE H.O. 14" VELAN	228.212	4B	070	LH	Y	Y			NA D	Y	
1E12*MOV003B	VALVE H.O. 14" VELAN	228.212	AB	070	LH	Y	Y			NA D	Y	
1E12*MOV004A	VALVE H.O. 20" VELAN	228.212	AB	070	LH	Y	Y			NA D	Y	
1E12*MOV004B	VALVE H.O. 20" VELAN	228.212	AB	070	LH	Y	Y			NA D	Y	
1E12*MOV006A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	65	NA B	Y
1E12*MOV006B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	65	NA B	Y
1E12*MOV008	VALVE H.O. 18"-600 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	44	NA B	Y
1E12*MOV009	VALVE H.O. 18"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	44	NA B	Y
1E12*MOV011A	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	52	NA B	Y
1E12*MOV011B	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	52	NA B	Y
1E12*MOV021	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y				NA D	Y
1E12*MOV023	VALVE H.O. 4"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	HF	48	NA B	Y
1E12*MOV024A	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y				NA D	Y
1E12*MOV024B	VALVE H.O. 14"-300 LB VELAN	228.212	AB	095	LH	Y	Y				NA D	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

SYSTEM E12 RESIDUAL HEAT REMOVAL

MOVF

*

1E12*MOVFO26A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*MOVFO26B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y
1E12*MOVFO37A	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	67	NA B	Y
1E12*MOVFO37B	VALVE H.O. 10"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S		67	NA B	Y
1E12*MOVFO40	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	N	S	HF	65	NA B	Y
1E12*MOVFO42A	VALVE H.O. 10"-600 LB. VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*MOVFO42B	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*MOVFO42C	VALVE H.O. 10"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	58	NA B	Y
1E12*MOVFO47A	VALVE H.O. 14" VELAN	228.212	AB	095	LH	Y	N				NA D	Y
1E12*MOVFO47B	VALVE H.O. 14" VELAN	228.212	AB	095	LH	Y	N				NA	Y
1E12*MOVFO48A	VALVE H.O. 14" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E12*MOVFO48B	VALVE H.O. 14" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E12*MOVFO49	VALVE H.O. 6"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	54	NA B	Y
1E12*MOVFO53A	VALVE H.O. 10" VELAN	228.212	AB	095	LH	Y	Y				NA D	Y
1E12*MOVFO53B	VALVE H.O. 10" VELAN	228.212	AB	095	LH	Y	N				NA D	Y
1E12*MOVFO64A	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	N	S	HF	52	NA B	Y
1E12*MOVFO64B	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	Y	S	HF	52	NA B	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS TEST	LOHEST

SYSTEM E12 RESIDUAL HEAT REMOVAL

MOVF

1E12*MOVFO64C	VALVE H.O. 4"-60 LB VELAN	228.212	AB	076	LH	Y	N	S	MF	52	NA B	Y
1E12*MOVFO68A	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	
1E12*MOVFO68B	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	
1E12*MOVFO87A	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	87	NA B	Y
1E12*MOVFO87B	VALVE H.O. 8"-900 LB VELAN	228.212	AB	095	LH	Y	N	S	MF	87	NA B	Y
1E12*MOVFO96	VALVE H. O. 10"-600 LB VELAN	228.212	AB	076	LH	Y	Y	S	MF	58	NA B	Y
1E12*MOVFO73B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	Y	S	MF	78	NA B	
1E12*MOVFO74B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LH	Y	N	S	MF	78	NA B	

PC

1E12*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DH	Y	N	S	NA	41		2,7
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PVF

1E12*PVFO51A	4"-900# GLOBE FISHER CONTROLS	247.491	AB		LH	Y	Y				NA D	
1E12*PVFO51B	4"-900# GLOBE FISHER CONTROLS	247.491	AB		LH	Y	Y				NA D	

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

[illegible]

EVE

1E12*RVF005	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	N	S	50	342	NA B
1E12*RVF017A	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	50	342	NA B
1E12*RVF017B	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	50	342	D
1E12*RVF025A	RELIEF VALVES CROSBY	247.521	AB	98	LH	Y	N	S	50	296	NA B
1E12*RVF025B	RELIEF VALVES CROSBY	247.521	AB	95	LH	Y	N	S	50	296	NA B
1E12*RVF025C	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	50	296	NA B
1E12*RVF030	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	50	239	NA B
1E12*RVF036	RELIEF VALVES CROSBY	247.521	AB	84	LH	Y	N	S	50	98	NA B
1E12*RVF055A	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	50	123	NA B
1E12*RVF055B	RELIEF VALVES CROSBY	247.521	AB	106	LH	Y	N	S	50	123	NA B
1E12*RVF100A	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	50	268	NA B
1E12*RVF100B	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	50	268	NA B
1E12*RVF101	RELIEF VALVES CROSBY	247.521	AB	85	LH	Y	N	S	50	239	NA

SOVF

[illegible]

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

[illegible]

SD/F

1E12*SOVF075A	VALVE 3/4"	247.501	Y	N	S	HF	139	NA	
	TARGET ROCK							A	Y
1E12*SOVF075B	VALVE 3/4"	247.501	Y	N	S	HF	139	NA	
	TARGET ROCK							A	Y
1E12*SOVF095	VALVE 3/4"	247.501	Y	N	S	HF	139	NA	
	TARGET ROCK							A	Y

VF

1E12*VF007	10"-600 GATE VALVE VELAN	228.211	DW	141	LH	Y	Y	S	NA	NA D
1E12*VF010	18"-600 GATE VALVE VELAN	228.211	DW	95	LH	Y	Y	S	NA	NA D
1E12*VF029A	14"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	N	S	NA	NA D
1E12*VF029B	14"-300# GATE VALVE VELAN	228.211	AB	73	LH	Y	N	S	NA	NA D
1E12*VF029C	14"-300# GATE VALVE VELAN	228.211	AB	76	LH	Y	N	S	NA	NA D
1E12*VF039A	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA	NA D
1E12*VF039B	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA	NA D
1E12*VF039C	10"-600# GATE VALVE VELAN	228.211	DW	136	LH	Y	Y	S	NA	NA D
1E12*VF067	14"-300# GATE VALVE VELAN	228.211	AB	76	LH	Y	N	S	NA	NA D
1E12*VF099A	8"-300# GAVE VALVE VELAN	228.211	CT	125	LH	Y	Y	S	NA	NA
1E12*VF099B	8"-300# GATE VALVE VELAN	228.211	CT	122	LH	Y	Y	S	NA	NA D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---		
			BLDG	ELEV MTG	SEIS	HYDR					ANLYS	TEST

SYSTEM E21 CORE SPRAY - LOW PRESSURE												
BOP EQUIPMENT												
AOVF *												
1E21-AOVF006	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	141	LH	Y	Y	S	MF	108	NA B	Y
MOV												
MOV * *												
1E21-MOVF001	VALVE H.O. 20" VELAN	228.212	AB	070	LH	Y	Y				NA D	Y
1E21-MOVF005	VALVE H.O. 10"-600 LB VELAN	228.212	AB	110	LH	Y	Y	S	MF	58	NA B	Y
1E21-MOVF011	VALVE H.O. 4"-600 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	52	NA B	Y
1E21-MOVF012	VALVE H.O. 10"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	67	NA B	Y
PC *												
1E21-PC002	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78'	DH	Y	N	S	NA	41	2.7 A	
RVF *												
1E21-RVF018	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SD	296	NA B	
1E21-RVF031	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SD	168	NA B	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----		
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST	LOWEST

SYSTEM E22 CORE SPRAY - HIGH PRESSURE

BOP EQUIPMENT
AOVF

1E22*AOVF005	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DW	141	LH	Y	Y	S	MF	108	NA B	Y
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PC

1E22*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	78	DM	Y	N	S	NA	41	2.7 A
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RVF

1E22*RVF014	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	268	NA B
1E22*RVF035	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	699	NA B
1E22*RVF039	RELIEF VALVES CROSBY	247.521	AB	70	LH	Y	N	S	SO	699	NA B

VF

1E22*VF036	10"-900# GATE VALVE VELAN	228.211	DW	141	LH	Y	Y	S	NA	151	NA B
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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	-----------

RVF		*										
1E33=RVF003	RELIEF VALVES CROSSBY	247.521	AB	141	LH	Y	N	S	SO	239	NA B	
1E33=RVF023	RELIEF VALVES CROSSBY	247.521	AB	141	LH	Y	N	S	SO	239	NA	

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[illegible]

SOVF

[illegible]

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV	MTG	SEIS				HYDR

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM

BOP EQUIPMENT
AOVF

1E51*AOVF004	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LM	Y	N					NA D	Y
1E51*AOVF005	1"-150# GLOBE FISHER CONTROLS	247.491	AB	70	LM	Y	N					NA D	Y
1E51*AOVF025	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LM	Y	N					NA D	Y
1E51*AOVF026	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LM	Y	N					NA D	Y
1E51*AOVF054	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	70	LM	Y	N					NA D	Y
1E51*AOVF65	CHECK VALVES ATHOOD & MORRILL CO.	228.218	AB	114	LM	Y	N	S	HF	38		NA B	Y
1E51*AOVF66	CHECK VALVES ATHOOD & MORRILL CO.	228.218	DH	173	LM	Y	Y	S	HF	38		NA B	Y

MOVF

1E51*MOVF010	VALVE H.O. 6"-600 LB VELAN	228.212	AB	077	LM	Y	N	S	HF	54		NA A	Y
1E51*MOVF013	VALVE H.O. 6"-900 LB VELAN	228.212	AB	095	LM	Y	Y	S	HF	58		NA B	Y
1E51*MOVF019	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	095	LM	Y	Y	S	HF	70		NA B	Y
1E51*MOVF022	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077	LM	Y	N	S	HF	48		NA B	Y
1E51*MOVF031	VALVE H.O. 6"-600 LB VELAN	228.212	AB	070	LM	Y	Y	S	HF	54		NA B	Y
1E51*MOVF045	VALVE H.O. 4"-900 LB VELAN	228.212	AB	070	LM	Y	N	S	HF	48		NA B	Y
1E51*MOVF046	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	070	LM	Y	N	S	HF	70		NA B	Y
1E51*MOVF059	VALVE H.O. 4"-900 LB VELAN	228.212	AB	077	LM	Y	N	S	HF	44		NA B	Y

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ		RRS REF	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM E51 REACTOR CORE ISOLATION COOLING SYSTEM												

MOVF

*

1ES1*MOVFO43	VALVE H.O. 8"-600 LB VELAN	228.212	CT	122	LH	Y	Y	S	MF	49	NA B	Y
1ES1*MOVFO64	VALVE H.O. 8"-600 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	49	NA B	Y
1ES1*MOVFO68	VALVE H.O. 12"-300 LB VELAN	228.212	AB	095	LH	Y	Y	S	MF	79	NA B	Y
1ES1*MOVFO76	VALVE H.O. 3/4"-1500 LB VELAN	228.214	CT	114	LH	Y	Y	S	MF	50	NA B	
1ES1*MOVFO77	VALVE H.O. 1.5"-1500 LB VELAN	228.214	AB	095	LH	Y	N	S	MF	61	NA B	
1ES1*MOVFO78	VALVE H.O. 2.5" VELAN	228.212	AB	095	LN	Y	Y				NA D	

PC

*

1ES1*PC003	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	AB	70	CF	Y	N	S	NA	41	2.7 A	
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PCV PRESSURE CONTROL VALVE

1ES1*PCV015	1"-1500# GLOBE FISHER CONTROLS	247.491	AB	070	LH	Y	N				NA A	
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PCVF

*

1ES1*PCVF015	VALVE TARGET ROCK	247.501				Y	N	S	MF		D	
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS
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SYSTEM 551 REACTOR CORE ISOLATION COOLING SYSTEM

RVF

IES1*RVF017	RELIEF VALVES CROSBY	247.521	AB	73	LH	Y	N	S	SO	239	NA B
IES1*RVF018	RELIEF VALVES CROSBY	247.521	AB	75	LH	Y	N	S	SO	185	NA B
IES1*RVF090	RELIEF VALVES CROSBY	247.521	AB	78	LH	Y	N	S	SO	699	NA B

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---				
			BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
											QUAL INST

SYSTEM FNR											
*											
BOP EQUIPMENT											
SHLD											
*											
IFNR-SHLD1	PORT. REFUEL. RAD SHIELD NUCLEAR ENERGY SER.	221.340	RB	162		Y	Y	S/D	NA		D

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	INST
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SYSTEM FNS

BOP EQUIPMENT
RAK RACK

1FNS*RAK2A	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	NA	7	16 B
1FNS*RAK2B	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	N	7	16 B
1FNS*RAK2C	RACKS WESTINGHOUSE	223.321	FB	70	CF	Y	N	D	NA	7	16 B

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT	SPEC NO.	LOCATION	LOADS	SEIS	HYDR	ANLYS	TEST	QUAL	INST	RRS REF	STATUS
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SYSTEM FPM FIRE PROTECTION - WATER

BCP EQUIPMENT
MOV MOTOR OPERATED VALVE

IFPM-MOV121	VALVE H.O. 6"-600 LB VELAN		228.212	AB	141	LM	Y	Y	S	HF	54	NA	B
IFPM-MOV122	VALVE H.O. 6"-600 LB VELAN		228.212	AB	141	LM	Y	Y	S	HF	54	NA	B

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LONEST	RRS REF	STATUS
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	---------	--------

SYSTEM FWS FEEDWATER SYSTEM

BOR EQUIPMENT
MOV MOTOR OPERATED VALVE

IFHS#MOV7A	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LH	Y	Y	S	HF	49	NA B	Y
IFHS#MOV7B	VALVE H.O. 20"-900 LB VELAN	228.212	AB	097	LH	Y	Y	S	HF	49	NA B	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

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-----RRS REF-----
-----STATUS-----
QUAL INST

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39 A A A A A A A A A A A A A A

2

50	A
50	A
50	A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM GTS GAS TREATMENT STANDBY

DHP

1GTS*DHP2B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP3A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP3B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP4A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP4B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP6A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A
1GTS*DHP6B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.400	AB	141	Y	N	S	NA	50		A

FE FLOW ELEMENT

1GTS*FE24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA
1GTS*FE24B	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		B

FLT-

1GTS*FLT-1A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	N	D	HF	9	B
1GTS*FLT-1B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	AB	141	CF	Y	N	D	HF	9	B

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM GTS GAS TREATMENT STANDBY

FN FAN

1GTS*FN1A	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	20	4 B
1GTS*FN1B	EXHAUST BLOWERS BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	20	4 B
1GTS*FN2A	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	70	CF	Y	N	S	NA	112	1 B
1GTS*FN2B	DECAY HEAT FAN BUFFALO FORGE	215.400	AB	141	CF	Y	N	S	NA	112	4 B

FS FLOW SWITCH

1GTS*FS24A	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF		NA B
1GTS*FS24B	FLOW SWITCH FCI	247.433	FB	170	LH	Y	N	NA	HF		NA B

PDI

1GTS-PDI16A	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI16B	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI17A	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI17B	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI19B	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI26A	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A
1GTS-PDI26B	PRESS. INDICATOR Dwyer	247.458	NA		RH	Y	N	S	NA		A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM GTS GAS TREATMENT STANDBY

POI

1GTS-POI6A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-POI6B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-POI7A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-POI7B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA		A

PDS DIFFERENTIAL PRESSURE SWITCH

1GTS-PDS16B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS17A	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS17B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS26A	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS26B	PRESS. SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS6A	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS6B	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A
1GTS-PDS7A	PRESSURE SWITCH Dwyer	247.458	NA	RH	Y	N	S	NA		A

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JOB NAME S - UNIT 1
UTILITY ALF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 58-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	LOADS	QUAL METH	NAT FREQ	PRS REF	STATUS	QUAL INST
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SYSTEM 615 GAS TREATMENT STANDBY

PT PRESSURE TRANSMITTER

1615-PT15A	PRESS TRANSMITTER	ROSEMOUNT	247.461	AS	141	RM	Y	N	NA	MF			B
1615-PT15B	PRESS TRANSMITTER	ROSEMOUNT	247.461	AS	141	RM	Y	M	NA	MF			B

RTD RESISTANCE TEMPERATURE RECORDER

1615-RTD18A	THERMOCOUPLES RTD	PYCO	247.461	AS	141		Y	N	NA	MF			C
1615-RTD18B	THERMOCOUPLES RTD	PYCO	247.461	AS	141		Y	N	NA	MF			C
1615-RTD27A	THERMOCOUPLES RTD	PYCO	247.461	AS	141		Y	N	NA	MF			C
1615-RTD27B	THERMOCOUPLES RTD	PYCO	247.461	AS	141		Y	N	NA	MF			C

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JCS NAME RBS - UNIT 1
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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NCS SUPPLIER: GENERAL ELECTRIC

DOCNET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		SPEC NO.		LOCATION		LOADS		QUAL METH		NAT FREQ		RBS REF	
		DESCRIPTION	MANUFACTURER	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST	

SYSTEM 033 REACTOR WATER CLEAN-UP															

BOP EQUIPMENT															
MOV MOTOR OPERATED VALVE															
1033+MOV001	VALVE M.O. 3"-600 LB VELAN	228.212	RB	081	LM	Y	Y	Y	S	HF	49	NA	B	Y	

MOV															
1033+MOV001	VALVE M.O. 6"-600 LB VELAN	228.212	DM	107	LM	Y	Y	Y	S	HF	54	NA	B	Y	
1033+MOV004	VALVE M.O. 6"-600 LB VELAN	228.212	AS	095	LM	Y	Y	Y	S	HF	54	NA	B	Y	
1033+MOV028	VALVE M.O. 4"-600 LB VELAN	228.212	CT	147	LM	Y	Y	Y	S	HF	52	NA	B	Y	
1033+MOV031	VALVE M.O. 4" VELAN	228.212	CT	141	LM	Y	Y	Y				NA	B	Y	
1033+MOV034	VALVE M.O. 4"-600 LB VELAN	228.212	AS	114	LM	Y	Y	Y	S	HF	52	NA	B	Y	
1033+MOV035	VALVE M.O. 4"-60 LB VELAN	228.212	AS	114	LM	Y	Y	Y	S	HF	52	NA	B	Y	
1033+MOV039	VALVE M.O. 4"-900 LB VELAN	228.212	AS	114	LM	Y	Y	Y	S	HF	58	NA	B	Y	
1033+MOV040	VALVE M.O. 6"-900 LB VELAN	228.212	CT	147	LM	Y	Y	Y	S	HF	58	NA	B	Y	
1033+MOV042	VALVE M.O. 6" VELAN	228.212	CT	147	LM	Y	Y	Y	S	HF	53	NA	B	Y	
1033+MOV044	VALVE M.O. 4"-600 LB VELAN	228.212	CT	147	LM	Y	Y	Y	S	HF	52	NA	B	Y	
1033+MOV046	VALVE M.O. 4"-60 LB VELAN	228.212	AS	114	LM	Y	Y	Y	S	HF	52	NA	B	Y	
1033+MOV053	VALVE M.O. 4"-900 LB VELAN	228.212	CT	147	LM	Y	Y	Y	S	HF	44	NA	B	Y	
1033+MOV054	VALVE M.O. 4"-900 LB VELAN	228.212	AS	147	LM	Y	Y	Y	S	HF	44	NA	B	Y	
1033+MOV100	VALVE M.O. 4"-60 LB VELAN	228.212	DM	081	LM	Y	Y	Y	S	HF	52	NA	B	Y	

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JCS NAME PDS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
POSS SUPPLIER: GENERAL ELECTRIC

SHEET NO. 50-453

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ		RPS REF	
			SPEC NO.	BUILD	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

SYSTEM 033 REACTOR WATER CLEAN-UP														

* * *														
1033-MOUF102	VALVE M.D. 6"-800 LB	VELAN	229.212	DN	001	LM	Y	Y	Y	S	HF	63	NA	Y
1033-MOUF104	VALVE M.D. 4"-900 LB	VELAN	229.212	CT	147	LM	Y	Y	Y	S	HF	43	NA	Y
1033-MOUF106	VALVE M.D. 4"-60 LB	VELAN	229.212	DN	001	LM	Y	Y	Y	S	HF	52	NA	Y
1033-MOUF107	VALVE M.D. 4"-900 LB	VELAN	229.212		147	LM	Y	Y	Y	S	HF	43	NA	Y

* * *														
1033-MOUF036	RELIEF VALVE	CECOSY	247.524	FB	70	LM	Y	N	S	NA		>33	A	

* * *														
1033-MOUF041	VALVE 3/4"	TARGET ROCK	247.501				Y	N	S	HF			NA	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

SYSTEM HCS HYDROGEN RECOMBINER

BOP EQUIPMENT
PHRS POWER SUPPLY

1HCS*PHRS1A	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	N	N	MF	3	A
1HCS*PHRS1B	POWER CABINET WESTINGHOUSE	224.520	AB	141	CF	Y	N	N	MF	3	A

RBNR

1HCS*RBNR1A	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	B
1HCS*RBNR1B	HYDROGEN RECOMBINER WESTINGHOUSE	224.520	CT	186	CF	Y	Y	S	MF	11	B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HDL

*

BCP EQUIPMENT

MOV MOTOR OPERATED VALVE

1HDL*MOV58A	VALVE H.O. 1"- VELAN	228.216	TB	067 LH	Y	N	S	MF	NA C
1HDL*MOV58B	VALVE H.O. 1"- VELAN	228.216	TB	067 LH	Y	N	S	MF	NA C
1HDL*MOV58C	VALVE H.O. 1"- VELAN	228.216	TB	067 LH	Y	N	S	MF	NA C

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

BCP EQUIPMENT
ACU AIR CONDITIONING UNIT

1HVC*ACU1A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	N	D	NA	11	6,7,8 A
1HVC*ACU1B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	115	CF	Y	N	D	NA	11	6,7,8 A
1HVC*ACU2A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	N	D	NA	10	6,7,8 A
1HVC*ACU2B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	70	CF	Y	N	D	NA	10	6,7,8 A
1HVC*ACU3A	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	N	D	NA	32	6,7,8 A
1HVC*ACU3B	AIR COND. UNIT BUFFALO FORGE	216.200	CB	98	CF	Y	N	D	NA	32	6,7,8 A

AOD AIR OPERATED DAMPER

1HVC*AOD106	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD107	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD108	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD12A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	39	A
1HVC*AOD12B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	39	A
1HVC*AOD148	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD169	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A
1HVC*AOD170	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480				Y	N	S		39	A
1HVC*AOD171	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115		Y	N	S	NA	39	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS				

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC*AOD173	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19E	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD19F	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD35A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD35B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD35C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD35D	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A
1HVC*AOD38A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39	A
1HVC*AOD38B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39	A
1HVC*AOD43A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39	A
1HVC*AOD43B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOD AIR OPERATED DAMPER

1HVC*AOD5A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39	A	
1HVC*AOD5B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	NA	39	A	
1HVC*AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39	A	Y
1HVC*AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39	A	Y
1HVC*AOD52A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39	A	Y
1HVC*AOD52B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	NA	39	A	Y
1HVC*AOD6A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD6B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD70A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD70B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD71A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD71B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD8A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC*AOD8B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	NA	39	A	
1HVC-AOD1	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53	A	
1HVC-AOD10	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A	
1HVC-AOD11	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												
ADD AIR OPERATED DAMPER												
1HVC-ADD12	AIR DHAPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD13	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD14	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD149	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD15	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD150	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD151	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD152	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD153	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD154	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD155	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD156	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD157	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD158	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD159	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD160	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A
1HVC-ADD161	AIR DAMPER	215.490	CB	98	Y	NA	S	NA	53			A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

AOC AIR OPERATED DAMPER

1HVC-AOD162	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD163	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD164	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD165	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD166	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD167	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD168	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD2	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53	A
1HVC-AOD3	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53	A
1HVC-AOD4	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098	Y	NA	S	NA	53	A
1HVC-AOD5	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	981	Y	NA	S	NA	53	A
1HVC-AOD6	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD7	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD8	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A
1HVC-AOD9	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	98	Y	NA	S	NA	53	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

CH COIL HEATER

1HVC*CH1A	ELECT. HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	N	D	NA		6,7,8 D
1HVC*CH1B	ELECT HEATING COIL BUFFALO FORGE	216.200	CB	115	EH	Y	N	D	NA		6,7,8 D
1HVC-CH3A	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A
1HVC-CH3B	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A
1HVC-CH3C	AIR REHEATER NUTHERM	216.130	CB	129		Y	NA	D	NA	88	A

DMP

*

1HVC*DMP 8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	50	A
1HVC*DMP10	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	70		Y	N	S	NA	50	A
1HVC*DMP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP12	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S		50	A
1HVC*DMP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP14	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP15	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	98		Y	N	S	NA	50	A
1HVC*DMP16	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	50	A
1HVC*DMP17	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	50	A
1HVC*DMP18	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116		Y	N	S	NA	50	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----	---RRS REF---
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS TEST	LOWEST	---	---STATUS---

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA										
DMP *										
1HVC*DMP19	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP20	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		50	A
1HVC*DMP21	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP22	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP23	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		50	A
1HVC*DMP24	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP25	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP26	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP27	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP28	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	NA	50	A
1HVC*DMP29	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP30	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	NA	50	A
1HVC*DMP31	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP32	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST
*****QUAL INST*****										

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

*

1HVC*DMP34	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP35	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP36	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480	Y	N	S		50			A
1HVC*DMP37	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP38	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP39	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP40	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP41	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP42	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP43	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP44	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP45	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP46	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP47	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A
1HVC*DMP48	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	50			A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR				ANLYS

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA										
DMP *										

DMP

1HVC*DMP49	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP5A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP5B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP50	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP51	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP52	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP53	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP54	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP55	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP56	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP57	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP58	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP59	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP60	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP61	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP62	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

*

1HVC*DMP63	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP64	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP65	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP66	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP68	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP69	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP70	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP71	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP72	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP73	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP74	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP75	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP76	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP77	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP78	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-MAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR				ANLYS
***** QUAL INST										

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMP

1HVC*DMP79	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP80	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP81	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP82	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP83	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP84	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP85	TORNADO DAMPERS QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP86	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP87	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP88	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP89	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP9	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP91	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP92	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP93	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP94	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVC*DMP95	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

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UTILITY JLF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA												

DM

*

1HVC*DMP96	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVC*DMP97	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A

DMPF

*

1HVC*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20		A
1HVC*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20		A
1HVC*DMPF'00	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20		A
1HVC*DMPF101	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF102	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	124	Y	N	S	MF/D	20		A
1HVC*DMPF103	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF104	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	124	Y	N	S	MF/D	20		A
1HVC*DMPF105	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF106	FIRE DAMPL. QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF107	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF108	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF109	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20		A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	-STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

*

1HVC*DMPF110	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF111	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF112	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF113	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF114	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF115	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20		A
1HVC*DMPF116	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF117	EXHAUST AIR DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF118	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF119	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR				ANLYS

QUAL INST										

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DHPF

*

1HVC*DHPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DHPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF23	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF24	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF25	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF26	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF27	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF28	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF29	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20	A
1HVC*DHPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	39	A
1HVC*DHPF30	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DHPF31	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20	A
1HVC*DHPF32	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A
1HVC*DHPF33	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20	A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DNPF

*

1HVC*DNPF34	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF35	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF36	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF37	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF38	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF39	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	39		A
1HVC*DNPF40	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF41	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF42	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF43	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF44	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF45	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF46	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF47	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF48	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DNPF49	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING DR AREA

DMPF

*

1HVC*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20		A
1HVC*DMPF50	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF51	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF52	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF53	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF54	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20		A
1HVC*DMPF55	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20		A
1HVC*DMPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	HF/D	20		A
1HVC*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	39		A
1HVC*DMPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	115	Y	N	S	HF/D	20		A
1HVC*DMPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF62	FIRE DRAWER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A
1HVC*DMPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20		A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ	RRS REF
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS QUAL INST

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

*

1HVC*DMPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A
1HVC*DMPF70	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF71	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF72	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF73	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF74	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20	A
1HVC*DMPF75	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF76	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF77	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF78	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF79	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20	A
1HVC*DMPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	MF/D	20	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA												

DMPF

*

1HVC*DMPF80	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20			A
1HVC*DMPF81	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20			A
1HVC*DMPF82	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20			A
1HVC*DMPF83	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20			A
1HVC*DMPF84	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20			A
1HVC*DMPF85	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S		20			A
1HVC*DMPF86	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	HF/D	20			A
1HVC*DMPF87	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20			A
1HVC*DMPF88	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20			A
1HVC*DMPF89	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20			A
1HVC*DMPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20			A
1HVC*DMPF90	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20			A
1HVC*DMPF91	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	HF/D	20			A
1HVC*DMPF92	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20			A
1HVC*DMPF93	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	135	Y	N	S	HF/D	20			A
1HVC*DMPF94	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	70	Y	N	S	HF/D	20			A
1HVC*DMPF95	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	HF/D	20			A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

DMPF

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1HVC*DMPF96	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	116	Y	N	S	MF/D	20		A
1HVC*DMPF97	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF98	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB		Y	N	S	MF/D	20		A
1HVC*DMPF99	FIRE DAMPER QUALITY AIR DESIGN	215.480	CB	98	Y	N	S	MF/D	20		A

FE FLOW ELEMENT

1HVC*FE36A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE36B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE37A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE37B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE61A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE62A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE62B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65D	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y
1HVC*FE65C	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	MF		NA	Y

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FE FLOW ELEMENT

1HVC*FE66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B	Y
1HVC*FE66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B	Y

FLT FILTER

1HVC*FLT2	AIR FILTER BUFFALO FORGE	216.200	CB	112	EM	Y	N	D	NA	13	6,7,8 A
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FLT-

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1HVC*FLT-3A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	N	D	HF	22	B
1HVC*FLT-3B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	CB	112	CF	Y	N	D	HF	22	B

FN FAN

1HVC*FN1A	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	3 A
1HVC*FN1B	AIR BLOWER BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	3 A
1HVC*FN2A	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	N	S	NA	61	7 A
1HVC*FN2B	RETURN AIR FAN BUFFALO FORGE	215.350	CB	81	CF	Y	N	S	NA	61	7 A
1HVC*FN3A	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	128	CF	Y	N	S	NA	62	8 B
1HVC*FN3B	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	62	8 B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FN FAN

1HVC*FN3C	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3D	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3E	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN3F	EXHAUST AIR FANS BUFFALO FORGE	215.400	CB	116	CF	Y	N	S	NA	62	8 B
1HVC*FN8A	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	8 B
1HVC*FN8B	DECAY HEAT FAN BUFFALO FORGE	215.400	CB	115	CF	Y	N	S	NA	112	8 B

FS FLOW SWITCH

1HVC*FS36A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS36B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B Y
1HVC*FS37A	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS37B	FLOW SWITCH FCI	247.433	CB	70	LH	Y	N	NA	HF		NA B
1HVC*FS61A	FLOW SWITCH FCI	247.433	CB	115	LH	Y	N	NA	HF		NA B Y
1HVC*FS61B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B Y
1HVC*FS62A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA
1HVC*FS62B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B
1HVC*FS65A	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

FS FLOW SWITCH

1HVC*FS65B	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B	Y
1HVC*FS65C	FLOW SWITCH FCI	247.433	CB	116	LH	Y	N	NA	HF		NA B	
1HVC*FS66A	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B	Y
1HVC*FS66B	FLOW SWITCH FCI	247.433	CB	98	LH	Y	N	NA	HF		NA B	Y

MOD MOTOR OPERATED DAMPER

1HVC*MOD7A	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	122	A
1HVC*MOD7B	MOTOR OPERATED DAMPER QUALITY AIR DESIGN	215.480	CB			Y	N	S	NA	122	A
1HVC-MOD138	AIR DAMPER QUALITY AIR DESIGN	215.490	CB	098		Y	NA	S	NA	53	A

MOV MOTOR OPERATED VALVE

1HVC*MOV1A	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	N	D	NA	48	NA A
1HVC*MOV1B	24"-150# BUTTERFLY POSI SEAL	228.241	CB	115	LH	Y	N	D	NA	48	NA A

PDI

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1HVC-PDI11A	PRESS INDICATOR DRYER	247.458	NA		RM	Y	N	S	NA		A
1HVC-PDI11B	PRESS INDICATOR DRYER	247.458	NA		RM	Y	N	S	NA		A

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING OR AREA

PDI

1HVC-PDI116	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			
1HVC-PDI147	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI2A	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI2B	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI21A	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI21B	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI22A	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI22B	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI23A	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI23B	PRESS INCICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI26A	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI26B	PRESS INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI46A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI46B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI48A	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A
1HVC-PDI48B	PRESS. INDICATOR Dwyer	247.458	NA	RH	Y	N	S	NA			A

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DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVC AIR CONDITIONING - CONTROL BUILDING DR AREA

PDS DIFFERENTIAL PRESSURE SWITCH

1HVC-PDS11A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS11B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS116	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS147	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS20A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS20B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS21A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS21B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS22A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS22B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS23A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS23B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS26A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS26B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS46A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS46B	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A
1HVC-PDS48A	PRESS. SWITCH DHYER	247.458	NA	RM	Y	N	S	NA			A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
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DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV HTG	SEIS	HYDR			

SYSTEM HVAC AIR CONDITIONING - CONTROL BUILDING OR AREA									

POS DIFFERENTIAL PRESSURE SWITCH

1HVC-POS48B	PRESS. SWITCH DNYER	247.458	NA		RH	Y	N	S	NA	A
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PNL PANEL

1HVC-PNL13A	CONTROL PANEL BUFFALO FORGE	216.200	CB	98		Y	N	D	NA	12	6,7,8 A
1HVC-PNL13B	CONTROL PANEL BUFFALO FORGE	216.200	CB	98		Y	N	D	NA	12	6,7,8 A

RTD RESISTANCE TEMPERATURE RECORDER

1HVC-RTD41A	THERMOCOUPLES RTD PYCO	247.461	CB	116		Y	N	NA	HF		C
1HVC-RTD41B	THERMOCOUPLES RTD PYCO	247.461	CB	116		Y	N	NA	HF		C
1HVC-RTD44A	THERMOCOUPLES RTD PYCO	247.461	CB	70		Y	N	NA	HF		C
1HVC-RTD44B	THERMOCOUPLES RTD PYCO	247.461	CB	70		Y	N	NA	HF		C
1HVC-RTD58A	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	HF		C
1HVC-RTD58B	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	HF		C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RBS REF---		
	DESCRIPTION MANUFACTURER		BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL

SYSTEM HVF VENTILATION - FUEL BUILDING												
BOP EQUIPMENT												
AOD AIR OPERATED DAMPER												
1HVF#AOD101	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD102	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD104	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD112	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD122	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD137	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD20A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD20B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD3A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD3B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD31A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD31B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD33A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD33B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD37A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			
1HVF#AOD37B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	NA	39			

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

CH COIL HEATER

1HVF-CH1	DUCT HEATERS INDEECO	216.130	FB	113	Y	NA	D	NA	15		A
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DMP

*

1HVF*DMP1	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP12	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP13	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP14	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP15	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP16	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP17	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP18A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP18B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP18C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP18D	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP18E	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP19	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A
1HVF*DMP2	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF-----
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST
										QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

DHP

*

1HVF*DHP20	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP21	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP22	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP3	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP4A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP4B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP5A	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP5B	BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVF*DHP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

DMPF

*

1HVF*DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	MF/D	20	A
1HVF*DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	FB	148	Y	N	S	MF/D	20	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

DHVF

*

1HVF*DHVPF11	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF12	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF13	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF14	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF15	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF16	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF17	215.480	215.480	FB	70	Y	N	S	HF/D	20			A
1HVF*DHVPF18	215.480	215.480	FB	70	Y	N	S	HF/D	20			A
1HVF*DHVPF2	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF3	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF4	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF5	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF6	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF7	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF8	215.480	215.480	FB	148	Y	N	S	HF/D	20			A
1HVF*DHVPF9	215.480	215.480	FB	148	Y	N	S	HF/D	20			A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

FE FLOW ELEMENT

1HVF*FE109	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B
1HVF*FE32A	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B
1HVF*FE32B	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B

FLT-

1HVF*FLT-2A	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	N	D	HF	20	B
1HVF*FLT-2B	STANDBY GAS UNITS AMERICAN AIR FILTER	225.220	FB	150	CF	Y	N	D	HF	20	B

FN FAN

1HVF*FN3A	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	31	8 B
1HVF*FN3B	EXHAUST BLOWERS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	31	19 B
1HVF*FN7A	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	112	19 B
1HVF*FN7B	DECAY HEAT FANS BUFFALO FORGE	215.400	FB	148	CF	Y	N	S	NA	112	19 B

FS FLOW SWITCH

1HVF*FS109	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B
1HVF*FS32A	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B

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DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

FS FLOW SWITCH

1HVF-FS32B	FLOW SWITCH FCI	247.433	FB	148	LM	Y	N	NA	HF		NA B
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PDI

1HVF-PDI22A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI22B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI24A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI24B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI25A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI25B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI26A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI26B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI29A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI29B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI4A	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A
1HVF-PDI4B	PRESS. INDICATOR DNYER	247.458	NA		RM	Y	N	S	NA		A

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EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVF VENTILATION - FUEL BUILDING

PDS DIFFERENTIAL PRESSURE SWITCH

1HVF-PDS22A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS22B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS24A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS24B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS25A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS25B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS26A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS26B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS29A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A
1HVF-PDS29B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA				A

PT PRESSURE TRANSMITTER

1HVF-PT36A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	148	RM	Y	N	N	HF			C
1HVF-PT36B	PRESS TRANSMITT ROSEMOUNT	247.481	FB	149	RM	Y	N	NA	HF			B Y

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL	INST
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SYSTEM HVF VENTILATION - FUEL BUILDING

RTD RESISTANCE TEMPERATURE RECORDER

1HVF*RTD1A	THERMOCOUPLES RTD PYCO	247.461	FB	148	Y	N	NA	HF					C
1HVF*RTD1B	THERMOCOUPLES RTD PYCO	247.461	FB	148	Y	N	NA	HF					C
1HVF*RTD30A	THERMOCOUPLES RTD PYCO	247.461	FB	148	Y	N	NA	HF					C
1HVF*RTD30B	THERMOCOUPLES RTD PYCO	247.461	FB	148	Y	N	NA	HF					C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

BOP EQUIPMENT
CHL LIQUID CHILLER

1HVK*CHL1A	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7	A
1HVK*CHL1B	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7	A
1HVK*CHL1C	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7	A
1HVK*CHL1D	LIQUID CHILLERS CARRIER CORP.	216.210	CB	98	CF	Y	N	S	NA	24	7	A

FTX

1HVK*FTX5A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTX5B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTX5C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTX5D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y

FTY

1HVK*FTY5A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTY5B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTY5C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*FTY5D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL

SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA

LT LEVEL TRANSMITTER

1HVK*LT1A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y
1HVK*LT1B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RM	Y	N	NA	HF		B	Y

MOV MOTOR OPERATED VALVE

1HVK*MOV10A	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LM	Y	N	S	HF	78	NA	B
1HVK*MOV10B	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LM	Y	N	S	HF	78	NA	B
1HVK*MOV11A	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LM	Y	N	S	HF	78	NA	B
1HVK*MOV11B	VALVE H.O. 2"-1500 LB VELAN	228.214	CR	098	LM	Y	N	S	HF	78	NA	B
1HVK*MOV20A	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	N	D	NA	58	NA	A
1HVK*MOV20B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	N	D	NA	58	NA	A
1HVK*MOV20C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	N	D	NA	58	NA	A
1HVK*MOV20D	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LM	Y	N	D	NA	58	NA	A

P PUMP

1HVK*P1A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y
1HVK*P1B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y
1HVK*P1C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7	A	Y

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EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA

P PUMP

1HVK*P1D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	41	2,7 A	Y
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PDCV *

1HVK*PDCV25A	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LM	Y	N				NA D	
1HVK*PDCV25B	2"-150# GLOBE FISHER CONTROLS	247.491	CB	070	LM	Y	N				NA D	

PDI *

1HVK-PDI38A	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	
1HVK-PDI38B	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	A	HF		A	
1HVK-PDI38C	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	
1HVK-PDI38D	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	CB	98	DW	Y	N	N	HF		A	

PI PRESSURE INDICATOR

1HVK-PI31A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI31B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI7A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	
1HVK-PI7B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7	A	

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EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER		BLOG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

PI PRESSURE INDICATOR

1HVK-PI8A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7		A
1HVK-PI8B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7		A
1HVK-PI8C	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7		A
1HVK-PI8D	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LM	Y	NA	N	SF	7		A

RV

*

1HVK*RV45A	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	165		NA B
1HVK*RV45B	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	165		NA B

TV TEMPERATURE VALVE

1HVK*TV16A	3"-150# GLOBE COPES VULCAN	247.497	CB	115	LM	Y	N	S	NA	91		NA
1HVK*TV16B	3"-160 GLOBE COPES VULCAN	247.497	CB	115	LM	Y	N	S	NA	91		NA B
1HVK*TV17A	3"-150# GLOBE COPES VULCAN	247.497	CB	070	LM	Y	N	S	NA	91		NA B
1HVK*TV17B	3"-150# GLOBE COPES VULCAN	247.497	CS	070	LM	Y	N	S	N	91		NA B
1HVK*TV18A	1 1/2"-150# GLOBE COPES VULCAN	247.497	CB	098	LM	Y	N	S	NA	91		NA B
1HVK*TV18B	1 1/2"-150# GLOBE COPES VULCAN	247.497	CB	098	LM	Y	N	S	NA	91		NA B

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EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVK CHILLED WATER - CONTROL BUILDIG OR AREA

TH

*

1HVK*TW13A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		
1HVK*TW13B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW13C	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW13D	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW21A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW21B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW22A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW22B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW23A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW23B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW27A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW27B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW28A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW28B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW29A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW29B	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C
1HVK*TW30A	THERMOCOUPLES RTD PYCO	247.461	CB	98	Y	N	NA	HF		C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	INST
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SYSTEM HVK CHILLED WATER - CONTROL BUILDING OR AREA

TW

*

1HVK*TW30B	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	MF		C
1HVK*TW9A	THERMOCOUPLES RTD PYCO	247.461	CD	98		Y	N	NA	MF		C
1HVK*TW9B	THERMOCOUPLES RTD PYCO	247.461	CB	98		Y	N	NA	MF		C

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVN CHILLED WATER - VENTILATION

BOP EQUIPMENT

MOV MOTOR OPERATED VALVE

IHVN*MOV102	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49	NA B	Y
IHVN*MOV127	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49	NA B	Y
IHVN*MOV128	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49	NA B	Y
IHVN*MOV129	VALVE H.O. 8"-600 LB VELAN	228.212	CT	141	LM	Y	Y	S	MF	49	NA B	Y
IHVN*MOV130	VALVE H.O. 8"-600 LB VELAN	228.212	AB	141	LM	Y	Y	S	MF	49	NA B	Y
IHVN*MOV22A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	MF	54	NA B	Y
IHVN*MOV22B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LM	Y	Y	S	MF	54	NA B	Y

RV

IHVN*RV196	RELIEF VALVES CROSSBY	247.521	RB	145	LM	Y	Y	S	SO	157	NA B
------------	--------------------------	---------	----	-----	----	---	---	---	----	-----	---------

TV TEMPERATURE VALVE

IHVN*TV5A	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y				NA D	Y
IHVN*TV5B	4"-150# GLOBE FISHER CONTROLS	247.491	CT		LH	Y	Y				NA D	Y

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JOB NAME RBS - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HVN CHILLED WATER - VENTILATION

TW *

1HVN*TH1A	THERMOCOUPLES RTD PYCO	247.461	164	Y	N	NA	MF	C
1HVN*TH1B	THERMOCOUPLES RTD PYCO	247.461	164	Y	Y	NA	MF	C

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---		
	DESCRIPTION MANUFACTURER		BLOG	ELEV MTG	SEIS	HYDR			ANLYS	TEST	LOWEST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVP*AOD11A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39		Y
1HVP*AOD11B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39	A	Y
1HVP*AOD11C	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	DG	126	Y	N	S	NA	39	A	Y

DMP

*

1HVP*DMP10A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50		
1HVP*DMP10B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP11A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP4	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP5	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP7A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP7B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP8	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9A	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9B	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	
1HVP*DMP9C	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A	

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

DMPF

*

1HVP&DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S		20		A
1HVP&DMPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF12	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF4A	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF4B	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF4C	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF5A	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF5B	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A
1HVP&DMPF5C	FIRE DAMPER QUALITY AIR DESIGN	215.480	DG		Y	N	S	HF/D	20		A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

DHPF

*

1HVP*DHPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480	OG		Y	N	S	HF/D	20		A
1HVP*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480	OG		Y	N	S	HF/D	20		A
1HVP*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480	OG		Y	N	S	HF/D	20		A

FN FAN

1HVP*FN2A	EXHAUST FAN BUFFALO FORGE	215.350	OG	117 DW	Y	N	S	NA	38		D
1HVP*FN2B	EXHAUST FAN BUFFALO FORGE	215.350	OG	117 DW	Y	N	S	NA	38		14 B
1HVP*FN3A	EXHAUST FAN BUFFALO FORGE	215.350	OG	117 DW	Y	N	S	NA	38		14 B
1HVP*FN3B	EXHAUST FAN BUFFALO FORGE	215.350	OG	117 DW	Y	N	S	NA	38		14 B
1HVP*FN6A	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	OG	198 CF	Y	N	S	NA	37		14 A
1HVP*FN6B	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	OG	198 CF	Y	N	S	NA	37		14 A
1HVP*FN6C	SUPPLY AIR BLOWER BUFFALO FORGE	215.400	OG	98 CF	Y	N	S	NA	37		14 A

PDI

*

1HVP-PDI17A	PRESS. INDICATOR DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVP-PDI17B	PRESS. INDICATOR DHYER	247.458	NA	RH	Y	N	S	NA			A
1HVP-PDI17C	PRESS. INDICATOR DHYER	247.458	NA	RH	Y	N	S	NA			A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---	-QUAL METH-	-NAT FREQ-	---RRS REF---
			BLDG	ELEV MTG				
					SEIS	HYDR	ANLYS	TEST
							LOWEST	---QUAL INST

SYSTEM HVP VENTILATION - DIESEL GENERATOR BUILDING

PDS DIFFERENTIAL PRESSURE SWITCH

1HVP-PDS17A	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA	A
1HVP-PDS17B	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA	A
1HVP-PDS17C	PRESS. SWITCH Dwyer	247.458	NA	RM	Y	N	S	NA	A

PNL PANEL

1HVP-PNL12A	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N		LATER	D
1HVP-PNL12C	CONTROL BOARDS ELECTRO MECHANICS	242.444	DG	98	Y	N	NA	MF	13 C Y

RTD RESISTANCE TEMPERATURE RECORDER

1HVP-RTD10A	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C
1HVP-RTD10B	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C
1HVP-RTD10C	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C
1HVP-RTD8A	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C Y
1HVP-RTD8B	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C
1HVP-RTD8C	THERMOCOUPLES RTD PYCO	247.461	DG	98	Y	N	NA	MF	C

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSCS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 59-456

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVR*AOD10A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39			Y
1HVR*AOD10B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD142	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD143	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD161	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD162	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD164	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD18A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD18B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD214	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD22A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD22B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD23A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD23B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD245	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD249	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y
1HVR*AOD261	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480	Y	N	S	NA	39	A		Y

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVR VENTILATION - REACTOR PLANT

BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVR-AOD262	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39		Y
1HVR-AOD263	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD264	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD51A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			T	B	S	NA	38	A	Y
1HVR-AOD51B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD53A	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD53B	AIR OPERATED DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39	A	Y
1HVR-AOD124	AIR DAMPER QUALITY AIR DESIGN	215.490	CT	169	Y	Y	S	NA	53	A	
1HVR-AOD127	AIR DAMPER QUALITY AIR DESIGN	215.490	CT	156	Y	Y	S	NA	53	A	
1HVR-AOD68A	AIR DAMPER QUALITY AIR DESIGN	215.490	AB	141	Y	NA	S	NA	53	A	
1HVR-AOD68B	AIR DAMPER QUALITY AIR DESIGN	215.490	AB	141	Y	NA	S	NA	53	A	

AOD AIR OPERATED VALVE

1HVR-AOD123	36"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	37	NA B	Y
1HVR-AOD125	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	72	NA B	Y
1HVR-AOD126	24"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	83	NA B	Y
1HVR-AOD128	36"-150# BUTTERFLY POSI SEAL	228.241	CT	LH	Y	Y	D	NA	60	NA B	Y

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL HETH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

AOV AIR OPERATED VALVE

1HVR*AOV147	24"-150# BUTTERFLY POSI SEAL	228.241	CT		LM	Y	Y	D	NA	72	NA	
1HVR*AOV148	24"-150# BUTTERFLY POSI SEAL	228.241	CT		LM	Y	Y	D	NA	83	NA	Y
1HVR*AOV165	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LM	Y	Y	D	NA	41	NA	Y
1HVR*AOV166	36"-150# BUTTERFLY POSI SEAL	228.241	AB	141	LM	Y	Y	D	NA	41	NA	Y

CH COIL HEATER

1HVR-CH1	DUCT HEATERS NUTHERN	216.130	AB	141		Y	NA	D	NA	17		
1HVR-CH2	DUCT HEATERS INDEECO	216.130	AB	141		Y	NA	D	NA	15	A	

DHP *

1HVR*DHP1	MAN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480				Y	Y	S	NA	39		
1HVR*DHP100	ISOLATION DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	100	A	
1HVR*DHP101	ISOLATION DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	100	B	
1HVR*DHP11	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	98		Y	Y	S	NA	39	B	
1HVR*DHP13	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108		Y	Y	S		39	A	
1HVR*DHP14	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480				Y	Y	S		39	A	
1HVR*DHP15	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN	215.480				Y	Y	S	NA	39	A	

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JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSJ SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		LOCATION		LOADS		QUAL METH		NAT FREQ		STATUS	
		SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	---	---
INRG+CHP16	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108	Y	Y	S	NA	39				A
INRG+CHP18	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	108	Y	Y	S	NA	39				A
INRG+CHP19	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN-1	163	Y	Y	S	NA	39				A
INRG+CHP2	MIN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	NA	39				A
INRG+CHP20	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	155	Y	Y	S	NA	39				A
INRG+CHP21	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	163	Y	Y	S	NA	39				A
INRG+CHP22	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231	Y	Y	S	NA	39				A
INRG+CHP23	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231	Y	Y	S	NA	39				A
INRG+CHP24	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231	Y	Y	S	NA	39				A
INRG+CHP25	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AN	231	Y	Y	S	NA	39				A
INRG+CHP27	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	114	Y	N	S	NA	39				A
INRG+CHP28	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39				A
INRG+CHP29	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39				A
INRG+CHP3	MIN. BACKDRAFT DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	NA	39				A
INRG+CHP30	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	70	Y	N	S	NA	39				A
INRG+CHP32	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39				A
INRG+CHP33	MIN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	95	Y	N	S	NA	39				A

SYSTEM INR VENTILATION - REACTOR PLANT

CHP

*

JOB NAME RRS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	EQUIPMENT		SPEC NO.	LOCATION BLDG ELEV HTG SEIS	LOADS	METH- HYDR ANALYS TEST	NAT FREQ	RRS REF
		STATUS	INST						

SYSTEM HUR VENTILATION - REACTOR PLANT									

SYSTEM HUR VENTILATION - REACTOR PLANT

DHP

1HUR-DHP14	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP15	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP16	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP19	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP4	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	Y	S	NA	39	A
1HUR-DHP11	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP12	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP13	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480	AN 224	Y	Y	S	NA	39	A
1HUR-DHP44	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480	AN 224	Y	Y	S	NA	39	A
1HUR-DHP46	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480	AN 224	Y	N	S	NA	39	A
1HUR-DHP47	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP48	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP49	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP5	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480	CT 180	Y	Y	S	NA	39	A
1HUR-DHP50	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP51	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A
1HUR-DHP52	MAN. BAL. DANGER QUALITY AIR DESIGN	215.480		Y	N	S	NA	39	A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	RRS REF	STATUS	QUAL	INST
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SYSTEM HVR VENTILATION - REACTOR PLANT

DHP

1HVR-DHP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	141	Y	N	S	NA	39			A	
1HVR-DHP34	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP35	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP36	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	AB	187	Y	N	S	NA	39			A	
1HVR-DHP37	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP6	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480	CT	180	Y	Y	S	NA	39			A	
1HVR-DHP33	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP34	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP67	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP68	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP7	MAN. BAL. DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	39			A	
1HVR-DHP70	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP71	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP72	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP73	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP75	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	
1HVR-DHP77	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50			A	

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DESCRIPTION	SPEC NO.	EQUIPMENT	LOCATION	LOADS	-QUAL METH-	-NAT FREQ-	RRS REF
			BLOS	ELEV HTS	SEIS HYDR ANALYS	TEST LOWEST	STATUS
							QUAL INST

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ISOLATION DAMPER
QUALITY AIR DESIGN

FINE DAPER
QUALITY AIR DESIGN

FINE DAPER
QUALITY AND DESIGN

WIRE CLOSER
QUALITY AIR DESIGN

FIRE DRYER
QUALITY AIR DESIGN

FINE DAPER
QUALITY AND DESIGN

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NOTICE
TO THE
PUBLIC
RE
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QUALITY AIR DESIGN
FOR YOUR
SYSTEM

QUALITY AIR DESIGN
FIRE DANGER

QUALITY AIR DESIGN
FIRE DANCER

QUALITY AIR DESIGN
FIRE DANGER

QUALITY AIR DESIGN

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JOB NAME RSC - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT

HASTER LIST OF SAFETY RELATED EQUIPMENT

DOCKET NO. 50-458

ENGINEER: STONE & WEBSTER
NCSO SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOADS	QUAL	METH	NAT	FREQ	RRS	REF	STATUS	QUAL	INST
1RSC-00P024	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P025	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P026	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P027	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P028	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P029	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	B	S	HF/D	>1000				A	
1RSC-00P030	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P031	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P032	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P033	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P034	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P035	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P036	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P037	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P038	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	
1RSC-00P039	FIRE DAMPER	QUALITY AIR	DESIGN	215-480								Y	N	S	HF/D	>1000				A	

SYSTEM HUR VENTILATION - REACTOR PLANT

GROUP

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LOWEST	---RRS REF--- ---STATUS--- QUAL INST
			BLDG	ELEV MTG	SEIS	HYDR			

SYSTEM HVR VENTILATION - REACTOR PLANT

DHPP

1HVR*DHPPF56	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF57	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF58	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF59	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF60	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF61	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF62	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF63	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	HF/D	>1000	A
1HVR*DHPPF64	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	Y	S	HF/D	>1000	A
1HVR*DHPPF65	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF66	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF67	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF68	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF69	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A
1HVR*DHPPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	HF/D	>1000	A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		QUAL METH	-NAT FREQ-	RRS REF	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVR VENTILATION - REACTOR PLANT

FE FLOW ELEMENT

1HVR*FE111	FLOW SWITCH FCI	247.433	AB	170	LM	Y	N	NA	MF	NA	Y
1HVR*FE113	FLOW SWITCH FCI	247.433	AB	170	LM	Y	N	NA	MF	NA	
1HVR*FE163	FLOW SWITCH FCI	247.433	RB	162	LM	Y	N	NA	MF	NA	
1HVR*FE28A	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF	NA	Y
1HVR*FE28B	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF	NA	Y
1HVR*FE28C	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF	NA	Y
1HVR*FE29A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA	
1HVR*FE29B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA	
1HVR*FE56A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA	
1HVR*FE56B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA	B

FN FAN

1HVR*FN1A	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	A
1HVR*FN1B	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	A
1HVR*FN11A	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	N	S	NA	11
1HVR*FN11B	MIXING FAN BUFFALO FORGE	215.400	AB	170	CF	Y	N	S	NA	11
1HVR-FN1C	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	>10

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---	QUAL INST
			BLDG	ELEV MTG	SEIS	HYDR					

SYSTEM HVR VENTILATION - REACTOR PLANT

FN FAN

1HVR-FN10	AXIAL FLOW FAN BUFFALO FORGE	215.360	CT	229	EM	Y	Y	S	NA	>10	A
1HVR-FN13	PURGE SUPPLY FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	13	A
1HVR-FN16A	PRESS CONTROL FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	26	A
1HVR-FN16B	PRESS CONTROL FAN BUFFALO FORGE	216.130	AB	170		Y	NA	D	NA	26	A
1HVR-FN6A	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A
1HVR-FN6B	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A
1HVR-FN7A	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	24	A
1HVR-FN7B	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	24	A
1HVR-FN8	CEILING FAN BUFFALO FORGE	215.360	AB	170	EM	Y	N	S	NA	>10	A

FS FLOW SWITCH

1HVR-FS111	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF	NA B
1HVR-FS113	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF	NA B
1HVR-FS163	FLOW SWITCH FCI	247.433	AB	170	LH	Y	N	NA	HF	NA B
1HVR-FS28A	FLOW SWITCH FCI	247.433	RB	162	LH	Y	Y	NA	HF	NA B
1HVR-FS28B	FLOW SWITCH FCI	247.433	AB	162	LH	Y	N	NA	HF	NA B
1HVR-FS29A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	HF	NA B

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----		
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LONEST	---STATUS---	QUAL INST

SYSTEM HVR VENTILATION - REACTOR PLANT

FS FLOW SWITCH

1HVR*FS29B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA B
1HVR*FS56A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA B
1HVR*FS56B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF		NA B

PDT DIFFERENTIAL PRESSURE TRANSMITTER

1HVR*PDT60A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	141	RM	Y	N	NA	MF		B Y
1HVR*PDT60B	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B
1HVR*PDT60C	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B Y
1HVR*PDT60D	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B
1HVR*PDT60E	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B Y
1HVR*PDT60F	PRESS TRANSMITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B

TW

1HVR*TW2A	THERMOCOUPLES RTD PYCO	247.461		162		Y	Y	NA	MF		C
1HVR*TW2B	THERMOCOUPLES RTD PYCO	247.461		162		Y	Y	NA	MF		C
1HVR*TW2C	THERMOCOUPLES RTD PYCO	247.461		162		Y	Y	NA	MF		C

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM HVR VENTILATION - REACTOR PLANT

UC UNIT COOLER

1HVR*UC1A	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	D
1HVR*UC1B	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	D
1HVR*UC1C	UNIT COOLER BUFFALO FORGE	215.252	DN-CT	162	DM	Y	Y	D	NA	16	D
1HVR*UC10	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	N	D	NA	27	4
1HVR*UC11A	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	N	D	NA	11	4
1HVR*UC11B	UNIT COOLER BUFFALO FORGE	215.252	AB	141	CF	Y	N	D	NA	11	4
1HVR*UC12	UNIT COOLER BUFFALO FORGE	215.252	AB	170	CF	Y	N	D	NA	28	5
1HVR*UC13	UNIT COOLER BUFFALO FORGE	215.252	AB	130	CF	Y	N	D	NA	24	4
1HVR*UC2	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	38	2
1HVR*UC3	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	14	2
1HVR*UC4	UNIT COOLER BUFFALO FORGE	215.252	AB	96	CF	Y	N	D	NA	14	2
1HVR*UC5	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	3
1HVR*UC6	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	11	3
1HVR*UC7	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	3
1HVR*UC8	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	14	3
1HVR*UC9	UNIT COOLER BUFFALO FORGE	215.252	AB	114	CF	Y	N	D	NA	11	3

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REPORT DATE XX/XX/XX

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST

1HVR#28C	FLOW SWITCH FCI	247.433	RB	162	LM	Y	Y	NA	MF	NA B
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM HVT

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BOP EQUIPMENT

AOD AIR OPERATED DAMPER

1HVT-AOD4A	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD1B	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	067	Y	NA	S	NA	53	A
1HVT-AOD103	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD104	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD113	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD114	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD118	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD4B	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A
1HVT-AOD4C	AIR DAMPER QUALITY AIR DESIGN	215.490	TB	123	Y	NA	S	NA	53	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF----
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOHEST

SYSTEM HVY VENTILATION - YARD STRUCTURES

BOP EQUIPMENT
CH COIL HEATER

1HVY*CH6A	ELEC HEATERS NUTHERM	215.325	SW	159	DW	Y	N	S	HF		34 C
1HVY*CH6B	ELEC HEATERS NUTHERM	215.325	SW	159	DW	Y	N	S	HF		34 C
1HVY-CH12	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	15	A
1HVY-CH13	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	23	A
1HVY-CH14	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	23	A
1HVY-CH18	DUCT HEATERS INDEECO	216.130	PT	66		Y	NA	D	NA	15	A

DHP

1HVY*DHP1A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DHP1B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DHP1C	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DHP1D	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DHP10A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DHP10B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
VY*DHP2A	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DMP2B	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A
1HVY*DMP2C	TORNADO DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	50	A

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM HVY VENTILATION - YARD STRUCTURES

DHP

*

1HVV*DHP2D	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	
1HVV*DHP3A	TORNADO DAMPER QUALITY AIR DESIGN	215.460			Y	N	S	NA	50	A
1HVV*DHP3B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP4A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP4B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP6A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP6B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP6C	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP6D	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP7A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP7B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP9A	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A
1HVV*DHP9B	TORNADO DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	NA	50	A

DHPF

*

1HVV*DHPF1	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DHPF10	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A

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EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF----
	DESCRIPTION MANUFACTURER		BLDG	ELEV MTG	SEIS	HYDR			

SYSTEM HVY VENTILATION - YARD STRUCTURES

DMPF

1HVV*DMPF11	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF13	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF14	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF15	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF16	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF17	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF18	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF19	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF2	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF20	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF21	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF22	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF3	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF4	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF5	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF6	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A
1HVV*DMPF7	FIRE DAMPER QUALITY AIR DESIGN	215.480			Y	N	S	MF/D	20	A

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---	QUAL INST
			BLDG	ELEV MTG	SEIS	HYDR					

SYSTEM HVY VENTILATION - YARD STRUCTURES

DHPF

*

1HVV*DHPF8	FIRE DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	MF/D	20		A
1HVV*DHPF9	FIRE DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	MF/D	20		A

FE FLOW ELEMENT

1HVV*FE17A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE17B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE17C	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE17D	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE21A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE21B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE21C	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE21D	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE30A	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE30B	FLOW SWITCH FCI	247.433	TS	94	LH	Y	N	NA	MF			NA B
1HVV*FE38A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF			NA B
1HVV*FE38B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF			NA B

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MSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM HVY VENTILATION - YARD STRUCTURES

FN FAN

1HVY*FN1A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33 A
1HVY*FN1B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33 A
1HVY*FN1C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33 A
1HVY*FN1D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	133	CF	Y	N	S	NA	181	33 A
1HVY*FN2A	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34 A
1HVY*FN2B	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34 A
1HVY*FN2C	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34 A
1HVY*FN2D	SUPPLY AIR FAN BUFFALO FORGE	215.350	SW	146	CF	Y	N	S	NA	34	34 A
1HVY*FN32A	SUPPLY FAN BUFFALO FORGE	215.350	SW	157	CF	Y	N	S	NA	31	34 B
1HVY*FN32B	SUPPLY FAN BUFFALO FORGE	215.350	SW	157	CF	Y	N	S	NA	31	34 B

FS FLOW SWITCH

1HVY*FS17A	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA Y
1HVY*FS17B	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	N	MF		B
1HVY*FS17C	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA Y
1HVY*FS17D	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA B Y
1HVY*FS21A	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF		NA B Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM HVY VENTILATION - YARD STRUCTURES

FS FLOW SWITCH

1HVV*FS21B	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF	NA B	Y
1HVV*FS21C	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF	NA B	Y
1HVV*FS21D	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF	NA B	Y
1HVV*FS30A	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF	NA B	Y
1HVV*FS30B	FLOW SWITCH FCI	247.433	TS	94	LM	Y	N	NA	MF	NA B	Y
1HVV*FS38A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA B	Y
1HVV*FS38B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA B	Y

RTD RESISTANCE TEMPERATURE RECORDER

1HVV*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SW	94		Y	N	NA	MF	C	
1HVV*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SW	94		Y	N	NA	MF	C	
1HVV*RTD25A	THERMOCOUPLES RTD PYCO	247.461	SW	143		Y	N	NA	MF	C	Y
1HVV*RTD25B	THERMOCOUPLES RTD PYCO	247.461	SW	143		Y	N	NA	MF	C	Y
1HVV*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SW	118		Y	N	NA	MF	C	
1HVV*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SW	118		Y	N	NA	MF	C	
2HVV*RTD24A	THERMOCOUPLES RTD PYCO	247.461	SW			Y	N	NA	MF	C	
2HVV*RTD24B	THERMOCOUPLES RTD PYCO	247.461	SW			Y	N	NA	MF	C	

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-MAT FREQ-	---RRS REF---
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HYD

*

BOP EQUIPMENT
PDI

*

2HYD-PDI19A

PRESS. INDICATOR
DHYER

247.458

NA

RH

Y

N

S

NA

A

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NSSS SUPPLIER: GENERAL ELECTRIC

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EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT
P PUMP

1H13*P702D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	
1H13*P703D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P710B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P710D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P710E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P712B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P712D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P713A	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CM	CH	Y	N	D	MF	>33
1H13*P713D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P714B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P714D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P715D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P717D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P730B	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P731D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P743E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	Y	N	D	MF	>33	A
1H13*P744D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CH	CH	Y	N	D	MF	>33

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			BLDG ELEV MTG SEIS	HYDR ANLYS TEST	LOWEST	---	---STATUS---
							QUAL INST

SYSTEM H13 CONTROL ROOM PANELS

BOP EQUIPMENT
P PUMP

1H13*P750E	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CM	Y	N	D	MF	>33	A
1H13*P751A	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CM	Y	N	D	MF	>33	A
1H13*P751D	GEDAC ENCLOSURE MERCURY CO./NORWOOD	247.411	CB	CM	Y	N	D	MF	>33	A

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			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM IAS INSTRUMENT AIR

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

IIAS*MOV106	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LM	Y	Y	S	MF	49	NA	
IIAS*MOV107	VALVE H.O. 3"-600 LB VELAN	228.212	AB	114	LM	Y	Y	S	MF	49	NA	Y

PT PRESSURE TRANSMITTER

IIAS*PT34A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF		B	Y
IIAS*PT34B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF		B	Y
IIAS*PT39A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B	Y
IIAS*PT39B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B	Y
IIAS*PT43A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF		B	Y
IIAS*PT43B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF		B	Y
IIAS*PT47A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA	MF		B	Y
IIAS*PT47B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	70	RM	Y	N	NA			B	Y
IIAS*PT48A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA	MF		B	Y
IIAS*PT48B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	141	RM	Y	N	NA			B	Y
IIAS*PT49A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF		B	Y
IIAS*PT49B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	148	RM	Y	N	NA	MF		B	Y

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DOCKET NO. 50-458

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	DESCRIPTION MANUFACTURER		BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL

SYSTEM IAS INSTRUMENT AIR

RV

*

1IAS*RV38A	RELIEF VALVES CROSBY	247.521	CB	121	LM	Y	N	S	SO	157	NA B
1IAS*RV38B	RELIEF VALVES CROSBY	247.521	CB	121	LM	Y	N	S	SO	157	NA B
1IAS*RV42A	RELIEF VALVES CROSBY	247.521	AB	141	LM	Y	N	S	SO	157	NA B
1IAS*RV42B	RELIEF VALVES CROSBY	247.521	AB	141	LM	Y	N	S	SO	157	NA B
1IAS*RV46A	RELIEF VALVES CROSBY	247.521	FB	148	LM	Y	N	S	SO	157	NA B
1IAS*RV46B	RELIEF VALVES CROSBY	247.521	FB	148	LM	Y	N	S	SO	157	NA B

SOV SOLENOID VALVE

1IAS*SOV36A	VALVE 2" TARGET ROCK	247.501	CR	98	LM	Y	N	S	MF	139	NA A	Y
1IAS*SOV36B	VALVE 2" TARGET ROCK	247.501	CR	98	LM	Y	N	S	MF	139	NA A	Y
1IAS*SOV41A	VALVE 2" TARGET ROCK	247.501	FB	148	LM	Y	N	S	MF	139	NA A	Y
1IAS*SOV41B	VALVE 2" TARGET ROCK	247.501	FB	148	LM	Y	N	S	MF	139	NA A	Y
1IAS*SOV45A	VALVE 2" TARGET ROCK	247.501	FB	148	LM	Y	N	S	MF	139	NA A	Y
1IAS*SOV45B	VALVE 2" TARGET ROCK	247.501	FB	148	LM	Y	N	S	MF	139	NA A	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
	MANUFACTURER										QUAL INST	

BOP EQUIPMENT
HOSE

1ICS*HOSE1	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLWS						B
1ICS*HOSE2	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLWS						A
1ICS*HOSE61	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLWS						B

1ICS-PD1126	DIFF. PRESS. INDICAT. ITT-BARTON	247.457	AB	70	RH	Y	N	N	NF
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11CS*PT101	PRESS TRANSMITT ROSEHOUNT	247.481	CT	118	RH	Y	Y	NA	MF	
------------	------------------------------	---------	----	-----	----	---	---	----	----	--

1ICS*RV130	RELIEF VALVES CROSBY	247.521	AB	80	LH	Y	N	S	SO	699	NA B
------------	-------------------------	---------	----	----	----	---	---	---	----	-----	---------

IICS*STRI	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	1,000	NA A
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	------

SYSTEM ICS REACTOR CORE ISOLATION COOLING

TH

*

1ICS*TH123	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF		C	
1ICS*TH127	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	Y	NA	MF		C	

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLOG	ELEV HTG	SEIS	HYDR				ANLYS

QUAL INST										
SYSTEM IHS										
* BOP EQUIPMENT										
INV										
1IHS-INV01	INVERTER ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF 7.3	A
* TRS										
1IHS-TRS01	BYPASS SWITCH ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF 7.3	A
* XRC										
1IHS-XRC20C1	TRANSFORMER ELGAR CORP.	244.511	NS	123	CF	Y	N	N	MF 7.3	A
1IHS-XRC0A1	TRANSFORMER ELGAR CORP.	244.511	NS	138	DW	Y	N	S	MF	D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM JCB SUPERSTRUCTURE - CONTROL ROOM

BOP EQUIPMENT
RAK RACK

1JCB*RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	CB	98	CF	Y	N	S	NA	37	A
1JCB*RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	CB	98	CF	Y	N	S	NA	37	A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM JFB

*

SCP EQUIPMENT
RAK RACK

1JFB-RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	70	Y	N	D	NA	12	A
1JFB-RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148	Y	N	D	NA	12	A
1JFB-RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148	Y	N	D	NA	12	A
1JFB-RAK5	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	FB	148	Y	N	D	NA	12	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST

QUAL INST										

SYSTEM JPB SUPERSTRUCTURE - PRIMARY AUXILIARY BUILDING

BCP EQUIPMENT
DHP

*

1JPB-DHP1	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A
1JPB-DHP2	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A
1JPB-DHP3	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A
1JPB-DHP4	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A
1JPB-DHP5	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A
1JPB-DHP6	PRESS. REL. DAMPER QUALITY AIR DESIGN	215.480				Y	N	S	NA	35	A

RAK RACK

1JPB-RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	N	S	NA	37	A	Y
1JPB-RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	95	CF	Y	N	S	NA	37	A	Y
1JPB-RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	N	S	NA	37	A	Y
1JPB-RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	CF	Y	N	S	NA	37	A	Y
1JPB-RAK6	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	AB	141		Y	N	D	NA	12	A	
1JPB-RAK7	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	AB	141		Y	N	D	NA	12	A	

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM JRB SUPERSTRUCTURE - REACTOR BUILDING

BOP EQUIPMENT
DRA DOOR ACCESS

1JRB-DRA1	PERSONNEL AIR LOCK H.J. WOOLLEY CO.	219.711	CT	175	DM	Y	Y	S	NA	42	B
1JRB-DRA2	PERSONNEL AIR LOCK H.J. WOOLLEY CO.	219.711	CT	118	DM	Y	Y	S	NA	42	B

RAK RACK

1JRB-RAK1	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK2	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB	111	DM	Y	Y	D	NA	47	A
1JRB-RAK3	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK4	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK5	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	47	A
1JRB-RAK7	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.412	RB		DM	Y	Y	D	NA	37	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM LAC

*

BOP EQUIPMENT
PNL PANEL

1LAC-PNL1C1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	98	DW	Y	N	N	MF	14	A
1LAC-PNL1C10	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1LAC-PNL1C11	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1LAC-PNL1C2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	98	DW	Y	N	N	MF	14	A
1LAC-PNL1C3	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116	DW	Y	N	N	MF	14	A
1LAC-PNL1C4	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116	DW	Y	N	N	MF	14	A
1LAC-PNL1C5	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1LAC-PNL1C6	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1LAC-PNL1C7	PANEL BOARDS SQUARE "D" CO.	242.423	CB	70	DW	Y	N	N	MF	14	A
1LAC-PNL1C8	PANEL BOARDS SQUARE "D" CO.	242.423	CB	70	DW	Y	N	N	MF	14	A
1LAC-PNL1C9	PANEL BOARDS SQUARE "D" CO.	242.423	DG	136	DW	Y	N	N	MF	14	A

XLC

*

1LAC-XLC1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	98	CH	Y	N	S	N	39	A
1LAC-XLC2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	98	CH	Y	N	S	N	39	A
1LAC-XLC3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39	A
1LAC-XLC4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL INST

SYSTEM LAC												
*												
XLC												
*												
1LAC-XLC5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39		
1LAC-XLC6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	116	CH	Y	N	S	N	39	A	
1LAC-XLC7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	70	CH	Y	N	S	N	39	A	
1LAC-XLC8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	70	CH	Y	N	S	N	39	A	
1LAC-XLC9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	CB	136	CH	Y	N	S	N	39	A	

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLOG	ELEV MTG	SEIS	HYDR				

SYSTEM LAF

*

BOP EQUIPMENT
PNL PANEL

1LAF-PNL1F1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1LAF-PNL1F2	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1LAF-PNL1F3	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1LAF-PNL1F4	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F5	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F6	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F7	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A
1LAF-PNL1F8	PANEL BOARDS SQUARE "D" CO.	242.423	FB	113	DW	Y	N	N	MF	14	A

XLF

*

1LAF-XLF1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAF-XLF7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A

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UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	RRS REF
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	---------

SYSTEM LAF

XLF

1LAF-XLF8

TRANSFORMER
SOUTHERN TRANSF. CO.

242.131

FB

95

CH

Y

N

S

N

39

A

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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM LAH

*

BOP EQUIPMENT
PNL PANEL

1LAH-PNL1S1	PANEL BOARDS SQUARE "D" CO.	242.423	SW	94	DW	Y	N	N	MF	14	A
2LAH-PNL1S1	PANEL BOARDS SQUARE "D" CO.	242.423	SW	94	DW	Y	N	N	MF	14	A

XLS

*

2LAH-XLS1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	SW	95	CH	Y	N	S	N	39	A
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NO. 3 SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV HTG	SEIS	HYDR				

SYSTEM LAP

*

BOP EQUIPMENT
PNL PANEL

1LAP-PNL1X1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X3	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X4	PANEL BOARDS SQUARE "D" CO.	242.423	AB	95	DW	Y	N	N	MF	14	A
1LAP-PNL1X5	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X6	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X7	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1LAP-PNL1X8	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A

XLX

*

1LAP-XLX1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX10	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAP-XLX5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAP-XLX6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	---QUAL METH---	---NAT FREQ---	---RRS REF---
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS---
							QUAL INST

SYSTEM LAP

*

XLX

*

1LAP-XLX7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CM	Y	N	S	N	39	
1LAP-XLX8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CM	Y	N	S	N	39	A
1LAP-XLX9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CM	Y	N	S	N	39	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		QUAL METH	-NAT FREQ- LOWEST	---RRS REF--- ---STATUS--- QUAL INST	
			BLDG	ELEV MTG	SEIS	HYDR				ANLYS

SYSTEM LAR *										
BOP EQUIPMENT										
PNL PANEL										
1LAR-PNL1R1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1LAR-PNL1R10	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1LAR-PNL1R11	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141 DW	Y	Y	N	MF	14	A
1LAR-PNL1R12	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141 DW	Y	Y	N	MF	14	A
1LAR-PNL1R13	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162 DW	Y	Y	N	MF	14	A
1LAR-PNL1R14	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162 DW	Y	Y	N	MF	14	A
1LAR-PNL1R15	PANEL BOARDS SQUARE "D" CO.	242.423	DW	186 DW	Y	Y	N	MF	14	A
1LAR-PNL1R16	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162 DW	Y	Y	N	MF	14	A
1LAR-PNL1R17	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162 DW	Y	Y	N	MF	14	A
1LAR-PNL1R18	PANEL BOARDS SQUARE "D" CO.	242.423	DW	96 DW	Y	Y	N	MF	14	A
1LAR-PNL1R19	PANEL BOARDS SQUARE "D" CO.	242.423	DW	96 DW	Y	Y	N	MF	14	A
1LAR-PNL1R2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114 DW	Y	Y	N	MF	14	A
1LAR-PNL1R20	PANEL BOARDS SQUARE "D" CO.	242.423	CT	114 DW	Y	Y	N	MF	14	A
1LAR-PNL1R21	PANEL BOARDS SQUARE "D" CO.	242.423	CT	96 DW	Y	Y	N	MF	14	A
1LAR-PNL1R3	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141 DW	Y	Y	N	MF	14	A
1LAR-PNL1R4	PANEL BOARDS SQUARE "D" CO.	242.423	DW	141 DW	Y	Y	N	MF	14	A
1LAR-PNL1R5	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162 DW	Y	Y	N	MF	14	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---	
			BLDG	ELEV HTG	SEIS	HYDR					ANLYS

SYSTEM LAR											
* BOP EQUIPMENT											
PNL PANEL											
1LAR-PNL1R6	PANEL BOARDS SQUARE "D" CO.	242.423	DW	162	DW	Y	Y	N	MF	14	A
1LAR-PNL1R7	PANEL BOARDS SQUARE "D" CO.	242.423	DW	166	DW	Y	Y	N	MF	14	A
1LAR-PNL1R8	PANEL BOARDS SQUARE "D" CO.	242.423	DW	166	DW	Y	Y	N	MF	14	A
1LAR-PNL1R9	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14	A
* XLR											
1LAR-XLR1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	113	CH	Y	N	S	N	39	A
1LAR-XLR10	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	A
1LAR-XLR11	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAR-XLR12	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	A
1LAR-XLR13	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	162	CH	Y	N	S	N	39	A
1LAR-XLR14	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	162	CH	Y	N	S	N	39	A
1LAR-XLR15	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	166	CH	Y	N	S	N	39	A
1LAR-XLR16	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAR-XLR17	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A
1LAR-XLR18	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAR-XLR19	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	95	CH	Y	N	S	N	39	A

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NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---

QUAL INST											

SYSTEM LAR

*

XLR

*

1LAR-XLR2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	114	CH	Y	N	S	N	39	A
1LAR-XLR20	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	A
1LAR-XLR21	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	A
1LAR-XLR3	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	141	CH	Y	N	S	N	39	A
1LAR-XLR4	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	141	CH	Y	N	S	N	39	A
1LAR-XLR5	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39	A
1LAR-XLR6	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39	A
1LAR-XLR7	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	186	CH	Y	N	S	N	39	A
1LAR-XLR8	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	106	CH	Y	N	S	N	39	A
1LAR-XLR9	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	A

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---	---QUAL METH---	---NAT FREQ---	---RRS REF---				
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

BOP EQUIPMENT
C COMPRESSOR

ILSV=CJA	COMPRESSOR ATLAS-COPCO	221.512	AB	141	CF	Y	N	S	Hf	>10
ILSV=CJB	COMPRESSOR ATLAST-COPCO	221.512	AB	141	CF	Y	N	S	Hf	>10

FE FLOW ELEMENT

1LSV*FE20A	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	NA
1LSV*FE20B	FLOW SWITCH FCI	247.433	AB	141	LM	Y	N	NA	MF	B

FS FLOW SWITCH

1LSV*FS20A	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF	NA B NA
1LSV*FS20B	FLOW SWITCH FCI	247.433	AB	141	LH	Y	N	NA	MF	

MOV MOTOR OPERATED VALVE

ILSV#MOV11A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	HF	84	NA B
ILSV#MOV11B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S HF	84	NA B
ILSV#MOV13A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S HF	84	NA B
ILSV#MOV13B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S HF	84	NA B
ILSV#MOV15A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S HF	84	NA B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

MOV MOTOR OPERATED VALVE

1LSV*MOV15B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV16A	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV16B	VALVE H.O. 1"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	84	NA B
1LSV*MOV19A	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	78	NA B
1LSV*MOV19B	VALVE H.O. 2"-1500 LB VELAN	228.214	AB	141	LM	Y	N	S	MF	78	NA B

PNL PANEL

1LSV*PNL54A	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DW	Y	N	S	NA	101	A
1LSV*PNL54B	INSTRUMENT RACK ASSEMBLIES MERCURY CO./NORWOOD	247.411	AB	141	DW	Y	N	S	NA	101	A

PT PRESSURE TRANSMITTER

1LSV*PT10A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT10B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT12A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT12B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT14A	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B
1LSV*PT14B	PRESS TRANSHITT ROSEMOUNT	247.481				Y	N	NA	MF		B

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
EQUIP. ID	DESCRIPTION	SPEC NO.	BLOG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---
										QUAL	INST

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

PT PRESSURE TRANSMITTER

ILSV*PT17A	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		
ILSV*PT17B	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT21A	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT21B	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT22A	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT22B	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT26A	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT26B	PRESS TRANSMITT ROSEMOUNT	247.481				Y	N	NA	MF		B
ILSV*PT9A	PRESS TRANSMITT ROSEMOUNT	247.481	FB	148	RH	Y	N	NA	MF		B
ILSV*PT9B	PRESS TRANSMITT ROSEMOUNT	247.481	FB	148	RH	Y	N	NA	MF		B

PV PRESSURE VALVE

1LSV*PV10A	1"-150# GLOBE COPES VULCAN	247.497	AB	141	LM	Y	N	S	NA	83	NA
1LSV*PV10B	1"-150# GLOBE COPES VULCAN	247.497	AB	141	LM	Y	N	S	NA	83	NA

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---	QUAL INST
			BLDG	ELEV MTG	SEIS	HYDR					

SYSTEM LSV LEAKAGE CONTROL - PENETRATION VALVE

RV *											
ILSV*RV8A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	268	NA B
ILSV*RV8B	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	268	NA B
SOVX *											
ILSV*SOVX26A	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	MF		NA A
ILSV*SOVX26B	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	MF		NA A
SOVY *											
ILSV*SOVY26A	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	MF		NA A
ILSV*SOVY26B	VALVE TARGET ROCK	247.501	AB	141	LH	Y	N	S	MF		NA A
TIC *											
ILSV*TIC6B	AIR RECEIVER CT1	221.515	AB	141	CF	Y	N	S	NA	>10	A
TK *											
ILSV*TK6A	AIR RECEIVER CT1	221.515	AB	141	CF	Y	N	S	NA	27	A

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---			---LOADS---		-QUAL METH-	-NAY FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV	HTG	SEIS	HYDR			
***** QUAL INST										

SYSTEM WHF

*

BOP EQUIPMENT
CRN-

*

1WHF-CRN-2	TROLLEY WHITING	221.750	FB	146	DM	Y	N	Y	N	7
------------	--------------------	---------	----	-----	----	---	---	---	---	---

A

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

	EQUIPMENT		LOCATION	LOADS	QUAL METH	NAT FREQ	RRS REF
EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	--STATUS-- QUAL INST
	MANUFACTURER						

1

1

1MHP-CR03	MONORAIL SYSTEM WHITING	251.140	AB	141	CF	Y	N	D	N	4	A
-----------	----------------------------	---------	----	-----	----	---	---	---	---	---	---

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM MHR

*

BOP EQUIPMENT
CRN

*

1MHR-CRN2	MONORAIL SYSTEM WHITING	251.140	RB	157	CF	Y	Y	D	N	3		
1MHR-CRN3	MONORAIL SYSTEM WHITING	251.140	RB	116	CF	Y	Y	D	N	N	A	D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---	QUAL INST

SYSTEM HHW

*

BOP EQUIPMENT
CRN

*

1HHW-CRNC2A	MONORAIL SYSTEM WHITING	251.140	CL	163	CF	Y	N	D	N	7		A
1HHW-CRNC2B	MONORAIL SYSTEM WHITING	251.140	CL	163	CF	Y	N	D	N	7		A

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---	-QUAL METH-	-NAT FREQ-	----RRS REF----			
	DESCRIPTION	SPEC NO.	BLDG	ELEV HTG					SEIS	HYDR	ANLYS

SYSTEM HSI MAIN STEAM ISOLATION VALVE SEALS

BOP EQUIPMENT
HOSE

1HSI*HOSE49	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE50	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE51	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE52	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE55	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE57	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B
1HSI*HOSE58	FLEX METAL HOSE	247.011	Y	S	HF	10	
	MTL BELLOWS						B

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST
=====													

EOP EQUIPMENT
HOSE

1MSS*HOSE103	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE104	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE113	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE114	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE121	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE122	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE125	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE131	FLEX METAL HOSE MTL BELLONS	247.011	Y	HF		10	B
1MSS*HOSE132	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE139	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE140	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	B
1MSS*HOSE163	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A
1MSS*HOSE164	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A
1MSS*HOSE165	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A
1MSS*HOSE166	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A
1MSS*HOSE173	FLEX METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A
1MSS*HOSE176	FLEX. METAL HOSE MTL BELLONS	247.011	Y	S	MF	10	A

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HSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH- ANLYS TEST	-NAT FREQ- LONEST	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR			---STATUS---	QUAL INST

SYSTEM HSS MAIN STEAM

BOP EQUIPMENT
HOSE

1HSS*HOSE179	FLEX. METAL HOSE MTL BELLONS	247.011			Y		S	MF	10	
1HSS*HOSE49	FLEX METAL HOSE MTL BELLONS	247.011			Y		S	MF	10	A
1HSS*HOSE77	FLEX METAL HOSE MTL BELLONS	247.011			Y		S	MF	10	B
1HSS*HOSE78	FLEX METAL HOSE MTL BELLONS	247.011			Y	LTR	S	MF	10	B
1HSS*HOSE95	FLEX METAL HOSE MTL BELLONS	247.011			Y		S	MF	10	B
1HSS*HOSE96	FLEX METAL HOSE MTL BELLONS	247.011			Y		S	MF	10	B

RTD RESISTANCE TEMPERATURE RECORDER

1HSS*RTD10A	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10B	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10C	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C
1HSS*RTD10D	THERMOCOUPLES RTD PYCO	247.461	TB	95	Y	N	NA	MF		C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM NHS

BOP EQUIPMENT
HCC MOTOR CONTROL CENTER

INHS#HCC15A	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31 B Y
INHS#HCC15B	MOTOR CONTROL CENTERS GOULD, INC.	242.562	DG	98	CF	Y	N	NA	MF	4	2-4,7,12,17,31 B

JOB NAME RES - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-459

EQUIP. ID	DESCRIPTION	MANUFACTURER	SPEC NO.	LOCATION	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL METH	NAT FREQ	RRS REF	STATUS	QUAL INST
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SYSTEM NNS EMERGENCY SMV ELECTRICAL SYSTEM

BOP EQUIPMENT
SNG SWITCHGEAR

INVS-SNGSA SWITCHGEAR
BROWN-BOVERI

242-521	FB	098	CF	Y	N	N	MF	8						3,7,12,17	A	Y
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JOB NAME PDS - UNIT 1
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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & HEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION	MANUFACTURER	EQUIPMENT	SPEC NO.	LOCATION	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	QUAL	METH	NAT	FREQ	PRS	REF	STATUS	QUAL	INST
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SYSTEM PDS

BOP EQUIPMENT

1PDS16A

PRESSURE SWITCH
DRYER

247.458

NA

RH

Y

N

S

NA

A

JOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NASS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST

SYSTEM RCP ELECTRICAL PENETRATIONS										
BOP EQUIPMENT										
LVC										
1RCP*LVC05	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVC06	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVC11	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVC11A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVC18	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVC18A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVC21	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
LVF										
1RCP*LVF15	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
LVI										
1RCP*LVI05A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVI06A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVI10A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI12	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVI12A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF----	
	DESCRIPTION MANUFACTURER		BLDG	ELEV HTG	SEIS	HYDR			ANLYS TEST	LOWEST

SYSTEM RCP ELECTRICAL PENETRATIONS

LVI

*

1RCP*LVI13A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI14	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER	B
1RCP*LVI14A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI15A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI17B	ELEC. PENETRATION CONAX	241.211			Y	Y	S	MF	LATER	B
1RCP*LVI17C	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI19A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI20A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B
1RCP*LVI21A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER	B

LVP

*

1RCP*LVP03	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVP03A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVP04	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVP04A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B
1RCP*LVP07	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER	B
1RCP*LVP07A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER	B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	-----STATUS-----	QUAL INST

SYSTEM RCP ELECTRICAL PENETRATIONS											
LVP *											
1RCP*LVP08	ELEC. PENETRATION CONAX	241.211	CT.	148	Y	Y	S	MF	LATER		
1RCP*LVP08A	ELEC. PENETRATION CONAX	241.211	CT.	144	Y	Y	S	MF	LATER		B
1RCP*LVP09	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER		B
1RCP*LVP09A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER		B
1RCP*LVP16	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER		B
1RCP*LVP16A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER		B
1RCP*LVP22	ELEC. PENETRATION CONAX	241.211	CT.	121	Y	Y	S	MF	LATER		B
1RCP*LVP22A	ELEC. PENETRATION CONAX	241.211	CT.	117	Y	Y	S	MF	LATER		B
MVP *											
1RCP*MVP02	ELEC. PENETRATION CONAX	241.211	CT	133	Y	Y	S	MF	LATER		B
MVP0 *											
1RCP*MVP01	ELEC. PENETRATION CONAX	241.211	12345		Y	Y	S		LATER		B

JOB NAME
UTILITY

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

[illegible]

SYSTEM RCP ELECTRICAL PENETRATIONS

NO. 5

[illegible]

TCEA

[illegible]

JOB NAME FBS - UNIT 1
UTILITY GULF STATES

SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCNET NO. 50-458

-----EQUIPMENT-----
EQUIP. ID DESCRIPTION SPEC NO. BLOS ELEV MTG SEIS HYDR ANALYS TEST -QUAL METH- -NAT FREQ- -PRS REF-----
-----STATUS-----
-----QUAL INST-----

SYSTEM RCP ELECTRICAL PENETRATIONS

TCA

IRCP*TCAL2	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20	B	Y
IRCP*TCAL3	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20	B	Y
IRCP*TCAL4	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20	B	Y
IRCP*TCAL5	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20	B	Y
IRCP*TCAL6	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	AB	141	CF	Y	N	D	NA	20	B	Y

TCF

IRCP*TCF01	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20	B	Y
IRCP*TCF02	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20	B	Y
IRCP*TCF03	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20	B	Y
IRCP*TCF04	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	FB	114	CF	Y	N	D	NA	20	B	Y

TCR

IRCP*TCR01A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
IRCP*TCR01F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	D	Y
IRCP*TCR010A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
IRCP*TCR02A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y

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ISSUANCE SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM RCP ELECTRICAL PENETRATIONS

TCR

*

1RCP*TCR02F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	
1RCP*TCR03A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	
1RCP*TCR03F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR04A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR04F	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y		D	NA	20	B	Y
1RCP*TCR05A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR06A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR07A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR08A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR09A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	114	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR11A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR12A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR13A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR14A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR15A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y
1RCP*TCR16A	TERM. CAB./ELEC. PEN. POWELL INDUSTRIES	242.491	RB	141	DM	Y	Y	D	NA	20	B	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-456

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST

SYSTEM RCS REACTOR COOLANT

BOP EQUIPMENT
HOSE

1RCS*HOSE1	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE105	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE108	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE124	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE125	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE2	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A
1RCS*HOSE3	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A
1RCS*HOSE4	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									B
1RCS*HOSE5	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A
1RCS*HOSE6	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A
1RCS*HOSE7	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A
1RCS*HOSE8	FLEX METAL HOSE	247.011			Y		S	MF	10	
	MTL BELLONS									A

MOV MOTOR OPERATED VALVE

1RCS*MOV58A	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF	NA C
1RCS*MOV58B	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF	NA C
1RCS*MOV59A	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF	NA C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOHEST	STATUS	QUAL	INST
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SYSTEM RCS REACTOR COOLANT

MOV MOTOR OPERATED VALVE

1RCS#MOV59B	VALVE H.O. 1"- VELAN	228.216	CT	141	LH	Y	Y	S	MF		NA C		
1RCS#MOV60A	VALVE H.O. 1/2"- VELAN	228.216	CT	070	LH	Y	Y	S		MF	NA C		
1RCS#MOV60B	VALVE H.O. 1/2"- VELAN	228.216	CT	070	LH	Y	Y	S	MF		NA C		
1RCS#MOV61A	VALVE H.O. 3/4" VELAN	228.216	CT	070	LH	Y	Y	S	MF	46	NA B		

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---	---QUAL METH---	---NAT FREQ---	---RRS REF---
	DESCRIPTION	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS TEST
	MANUFACTURER							LOWEST
								---STATUS---
								QUAL INST

SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM

BOP EQUIPMENT
HOSE

IRHS*HOSE160	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLONS						B
IRHS*HOSE161	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLONS						B
IRHS*HOSE164	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLONS						B

LT LEVEL TRANSMITTER

1RHS=LT119	PRESS TRANSMITT ROSEHOUNT	247.481	CT	118	RM	Y	Y	NA	MF
------------	------------------------------	---------	----	-----	----	---	---	----	----

PDI

1RHS-PDI103	DIFF. PRESS. INDICAT.	247.457	AB	70	DW	Y	N	N	MF
	ITT-BAP1								

RV

IRHS*RV3A	RELIEF VALVES CROSBY	247.521	AB	106	LM	Y	N	S	SO	123	NA B
IRHS*RV3B	RELIEF VALVES CROSBY	247.521	AB	106	LM	Y	N	S	SO	123	NA

STR

1RHS*STR1A	STRAINER ZURN INDUSTRIES	228.957	CT	70	LH	N	Y	S	N	445	NA A NA
1RHS*STR1B	STRAINER ZURN INDUSTRIES	228.957	CT	70	LM	N	Y	S	N	445	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----ERS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	-----STATUS---	QUAL INST

SYSTEM RHS RESIDUAL HEAT REMOVAL SYSTEM

STR	*											
1RHS*STRIC	STRAINER ZURN INDUSTRIES	228.957	CT	70	LM	N	Y	S	N	445	NA A	
TW	*											
1RHS*TW80A	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF		C	
1RHS*TW80B	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF		C	
1RHS*TW80C	THERMOCOUPLES RTD PYCO	247.461	AB	70		Y	N	NA	MF		C	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF-----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM RMS RADIATION MONITORING

BOP EQUIPMENT
CAB CABINET

1RMS-CAB11A	CABINET GA	247.250	AB	170	CF	Y	N	NA	MF	
1RMS-CAB11B	CABINET GA	247.250	AB	141	CF	Y	N	NA	MF	B
1RMS-CAB11I	CABINET GA	247.250	RB	162		Y	Y	NA	MF	B
1RMS-CAB112	CABINET GA	247.250	RB	141		Y	Y	NA	MF	B
1RMS-CAB125	CABINET GA	247.250	AB	70		Y	N	NA	MF	B
1RMS-CAB13A	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RMS-CAB13B	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RMS-CAB14A	CABINET GA	247.250	TS	94		Y	N	NA	MF	B
1RMS-CAB14B	CABINET GA	247.250	TS	94		Y	N	NA	MF	B
1RMS-CAB15A	CABINET GA	247.250	AB	70		Y	N	NA	MF	B
1RMS-CAB15B	CABINET GA	247.250	AB	95		Y	N	NA	MF	B
1RMS-CAB16A	CABINET GA	247.250	RB	186	DW	Y	Y	NA	MF	B
1RMS-CAB16B	CABINET GA	247.250	RB	186	DW	Y	Y	NA	MF	B
1RMS-CAB20A	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RMS-CAB20B	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RMS-CAB21A	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B
1RMS-CAB21B	CABINET GA	247.250	RB	70	DW	Y	Y	NA	MF	B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER		BLDG	ELEV	MTG	SEIS			HYDR	ANLYS

SYSTEM RMS RADIATION MONITORING

BOP EQUIPMENT
CAB CABINET

1RMS*CAB5B	CABINET GA	247.250	FB	148	CF	Y	N	NA	MF	B
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RE PRIMARY RADIOACTIVITY ELEMENT

1RMS*RE11A	MONITOR GA	247.250	AB	170	CF	Y	N	NA	MF	B
1RMS*RE11B	MONITOR GA	247.250	AB	141	CF	Y	N	NA	MF	B
1RMS*RE111	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	MF	B
1RMS*RE112	MONITOR GA	247.250	CT	141	CF	Y	Y	NA	MF	B
1RMS*RE125	MONITOR GA	247.250	AB	70		Y	N	NA	MF	B
1RMS*RE13A	MONITOR GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RMS*RE13B	CABINET GA	247.250	CB	98	CF	Y	N	NA	MF	B
1RMS*RE14A	CABINET GA	247.250	TS	94	CF	Y	N	NA	MF	B
1RMS*RE14B	CABINET GA	247.250	TS	94	CF	Y	N	NA	MF	B
1RMS*RE15A	MONITOR GA	247.250	AB	70	CF	Y	N	NA	MF	B
1RMS*RE15B	MONITOR GA	247.250	AB	95	CF	Y	N	NA	MF	B
1RMS*RE16A	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	MF	B
1RMS*RE16B	MONITOR GA	247.250	CT	186	DW	Y	Y	NA	MF	B
1RMS*RE20A	MONITOR GA	247.250	DW	114	DW	Y	Y	NA	MF	B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			

SYSTEM RMS RADIATION MONITORING

RE PRIMARY RADIOACTIVITY ELEMENT

1RMS*RE20B	MONITOR GA	247.250	DW	114	DW	Y	Y	NA	MF	
1RMS*RE21A	MONITOR GA	247.250	CT	141	LH	Y	Y	NA	MF	B
1RMS*RE21B	MONITOR GA	247.250	CT	141	LH	Y	Y	NA	MF	B
1RMS*RE5A	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF	B
1RMS*RE5B	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF	B

REX

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1RMS*REX125	MONITOR GA	247.250	AB	170		Y	N	NA	MF	
1RMS*REX5A	MONITOR GA	247.250	FB	148	CF	Y	N	NA	MF	B

SMPT

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1RMS*SMPT103	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	N	D	NA	4,9,19 C
1RMS*SMPT11A	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	189	LH	Y	Y	D	N	D
1RMS*SMPT11B	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	189	LH	Y	Y	D	N	D
1RMS*SMPT110	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	AB	141		Y	N	D	NA	4,9,19 C
1RMS*SMPT12G	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	248	LH	Y	Y	D	N	D
1RMS*SMPT125	AIR MON & ISOKINETIC SAMPLING AIR MONITOR CORP	216.310	RB	248	LH	Y	Y	D	N	D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	----RRS REF----
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM RPS

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BOP EQUIPMENT
XRC

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1RPS-XRC10A1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DW	Y	N	S	MF	
1RPS-XRC10B1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DW	Y	N	S	MF	D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	----RRS REF----
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM RSS

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BOP EQUIPMENT
PNL PANEL

1RSS*PNL101	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	Y	N	NA	MF	LATER	3 C	Y
1RSS*PNL102	CONTROL BOARDS ELECTRO MECHANICS	242.444	CB	98	Y	N	NA	MF	LATER	8 C	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

[illegible]

SYSTEM SAS SERVICE AIR

BOP EQUIPMENT
HOV MOTOR OPERATED VALVE

1SAS#MOV102	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	52	NA		
1SAS#MOV103	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	52	NA	B	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---	STATUS---
QUAL INST											

SYSTEM SCA

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BOP EQUIPMENT
PNL PANEL

1SCA-PNL10A2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1SCA-PNL10B2	PANEL BOARDS SQUARE "D" CO.	242.423	CB	116	DW	Y	N	N	MF	14	A
1SCA-PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.423	DG	96	DW	Y	N	N	MF	14	A
1SCA-PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.423	DG	98	DW	Y	N	N	MF	14	A
1SCA-PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14	A
1SCA-PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1SCA-PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1SCA-PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	141	DW	Y	N	N	MF	14	A
1SCA-PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14	A
1SCA-PNL2D2	PANEL BOARDS SQUARE "D" CO.	242.423	AB	114	DW	Y	N	N	MF	14	A
1SCA-PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.423	TB	68	DW	Y	N	N	MF	14	A
1SCA-PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.423	AB	114	DW	Y	N	N	MF	14	A
1SCA-PNL8A1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1SCA-PNL8A2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14	A
1SCA-PNL8B1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	95	DW	Y	N	N	MF	14	A
1SCA-PNL8B2	PANEL BOARDS SQUARE "D" CO.	242.423	DW	114	DW	Y	Y	N	MF	14	A
1SCA-PNL8C1	PANEL BOARDS SQUARE "D" CO.	242.423	FB	148	DW	Y	N	N	MF	14	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		---PRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HTG	SEIS	HYDR	ANLYS	TEST	LOWEST		STATUS---	QUAL INST

SYSTEM SCA

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BOP EQUIPMENT
PNL PANEL

1SCA-PNL001	PANEL BOARDS SQUARE "D" CO.	242.423	FB	148	DH	Y	N	N	MF	14	
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XD TRANSFORMER DISTRIBUTION

1SCA-XD15A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39	
1SCA-XD15B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	DG	98	CH	Y	N	S	N	39	
1SCA-XD2A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	
1SCA-XD2A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	
1SCA-XD2B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	
1SCA-XD2C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	
1SCA-XD2D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	
1SCA-XD2D2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	114	CH	Y	N	S	N	39	
1SCA-XD2E1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	
1SCA-XD2F1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	AB	141	CH	Y	N	S	N	39	
1SCA-XD8A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	
1SCA-XD8A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	95	CH	Y	N	S	N	39	
1SCA-XD8B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB S	95	CH	Y	N	S	N	39	
1SCA-XD8B2	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	114	CH	Y	N	S	N	39	

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV HTG SEIS HYDR	ANLYS TEST	LOWEST	---	---STATUS--- QUAL INST

SYSTEM SCA

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XD TRANSFORMER DISTRIBUTION

ISCA-XD8C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB	143	CH	Y	N	S	N	39	A
ISCA-XD8D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.131	FB S	148	CH	Y	N	S	N	39	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	-----RRS REF----
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SCI

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BOP EQUIPMENT
XRC

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1SCI-XRC10A1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DW	Y	N	S	MF	
1SCI-XRC10B1	TRANSFORMER ELGAR CORP.	244.511	CB	131	DW	Y	N	S	MF	D

D
D

XRC-

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1SCI-XRC-18A1	TRANSFORMER ELGAR CORP.	244.511	AD	125	DW	Y	N	S	MF	
1SCI-XRC-18D1	TRANSFORMER ELGAR CORP.	244.511	AD	125	DW	Y	N	S	MF	D

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	----RRS REF----
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SCH STATION CONTROL MONITORING (VITAL) INDICATION

BOP EQUIPMENT
PNL PANEL

1SCH*PNL01A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCH*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y

XRC

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1SCH*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	131	DW	Y	N	S	MF	8,9 C Y
1SCH*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	131	DW	Y	N	S	MF	8,9 C Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS				

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFMR & TRANS SW										
BOP EQUIPMENT										
PNL PANEL										
1SCV*PNL14A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL14B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL15A1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL15B1	PANEL BOARDS SQUARE "D" CO.	242.421	DG	98	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL16A1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL16B1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2A1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2A2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2B1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2B2	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2C1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2D1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2E1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2F1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2G1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2H1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	114	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y
1SCV*PNL2J1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF	3,4,7,9,12,33 C Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER		BLDG	ELEV	HTG	SEIS			HYDR	ANLYS
										QUAL INST

SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TFR & TRANS SH

BOP EQUIPMENT
PNL PANEL

1SCV*PNL2K1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL2L1	PANEL BOARDS SQUARE "D" CO.	242.421	AB	141	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL6A1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
1SCV*PNL6B1	PANEL BOARDS SQUARE "D" CO.	242.421	CB	98	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
2SCV*PNL16A1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y
2SCV*PNL16B1	PANEL BOARDS SQUARE "D" CO.	242.421	SH	138	DW	Y	N	NA	SF		3,4,7,9,12,33 C Y

XD TRANSFORMER DISTRIBUTION

1SCV*XD14A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD14B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD15A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	N	N	SF	32	A
1SCV*XD15B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	DG	98	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD16A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SH	94	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD16B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SH	94	DW	Y	N	N	SF	32	A
1SCV*XD2A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2A2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	-----RRS REF-----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR			ANLYS	TEST
***** QUAL INST										
SYSTEM SCV STA CONT BUS (VITAL) - AC SUPPLY INCL TMR & TRANS SW										

XD TRANSFORMER DISTRIBUTION

1SCV*XD2B2	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2C1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2D1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2E1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2F1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	114	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2G1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2H1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2J1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,12,19,31 A Y
1SCV*XD2K1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	N	SF	32	A Y
1SCV*XD2L1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	AB	141	DW	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
1SCV*XD8A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
1SCV*XD8B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	CB	98	DW	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
2SCV*XD16A1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW	94	DW	Y	N	NA	SF	32	3,4,7,13,19,31 A Y
2SCV*XD16B1	TRANSFORMER SOUTHERN TRANSF. CO.	242.132	SW	94	DW	Y	N	NA	SF	32	3,4,7,13,19,31 A Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV MTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SC1

*

BOP EQUIPMENT
PNL PANEL

1SC1-PNL01	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A
1SC1-PNL02	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DW	Y	N	N	MF	14	A

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	----STATUS----	QUAL INST
			BLDG	ELEV HTG	SEIS	HYDR					

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP											
PI PRESSURE INDICATOR											
1SFC-PI4A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A
1SFC-PI4B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC	LH	Y	NA	N	SF	7		A
PH											
1SFC*PH1A	COOLING PUMP GOULDS PUMPS INC	223.311	FB	70	CF	Y	N	S	NA	72	A
1SFC*PH1B	COOLING PUMP GOULDS PUMPS INC.	223.311	FB	70	CF	Y	N	S	NA	72	A
RTD RESISTANCE TEMPERATURE RECORDER											
1SFC*RTD7A	TH ² RMOCOUPLES RTD PYCO	247.461	FB	70		Y	N	NA	MF		C
1SFC*RTD7B	THERMOCOUPLES RTD PYCO	247.461	FB	70		Y	N	NA	MF		C
TH											
1SFC*TH10A	THERMOCOUPLES RTD PYCO	247.461	FB	85		Y	N	NA	MF		C
1SFC*TH10B	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH5A	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH5B	THERMOCOUPLES RTD PYCO	247.461	FB	95		Y	N	NA	MF		C
1SFC*TH7A	THERMOCOUPLES RTD PYCO	247.461	FB			Y	N	NA	MF		C

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	---QUAL METH---	---NAT FREQ---	---RRS REF---
			BLDG ELEV MTG SEIS HYDR ANLYS TEST			LOWEST	---STATUS--- QUAL INST

SYSTEM SFC SPENT FUEL POOL COOLING AND CLEAN-UP

TH

*

1SFC*TH7B	THERMOCOUPLES RTD PYCO	247.461	FB		Y	N	NA	MF	C
1SFC*TH8A	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	N	NA	MF	C
1SFC*TH8B	THERMOCOUPLES RTD PYCO	247.461	FB	95	Y	N	NA	MF	C

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLOG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	QUAL	INST
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	------	------

SYSTEM SFT FUEL TRANSFER

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1SFT-MOV101	VALVE M.O. 1"- VELAN	228.216	FB	070	LM	Y	N	S	MF		NA C		
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UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	STATUS	REF
-----------	-----------------------------	----------	------	------	-----	------	------	-------	------	--------	--------	-----

SYSTEM SLS STANDBY LIQUID CONTROL

BOP EQUIPMENT
PNL PANEL

1SLS*PNL120	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141		Y	N	NA	MF	LATER	4	C
1SLS*PNL121	CONTROL BOARDS ELECTRO MECHANICS	242.444	AB	141		Y	N	S	MF	LATER	4	C

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ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

[illegible]

BOP EQUIPMENT
SOV SOLENOID VALVE

1SSR*SOV130	VALVE 1/2"	247.501	RB	114	LH	Y	Y	S	HF	227	NA B
1SSR*SOV131	TARGET ROCK VALVE 1/2"	247.501	AB	141	LH	Y	Y	S	HF	227	NA B
1SSR*SOV133	TARGET ROCK VALVE 3/4"	247.501	AB	141	LH	Y	Y	S	HF		NA B
1SSR*SOV134	TARGET ROCK VALVE 3/4"	247.501	AB	141	LH	Y	Y	S	HF		NA B
1SSR*SOV139	TARGET ROCK VALVE 1"	247.501	AB	141	LH	Y	Y	S	HF	139	NA B
1SSR*SOV140	TARGET ROCK VALVE 1"	247.501	AB	141	LH	Y	Y	S	HF		NA B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		QUAL	METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR					

SYSTEM SVV STEAM VENTS - SAFETY VALVES											
BOP EQUIPMENT											
MOV MOTOR OPERATED VALVE											
1SVV*MOV1A	VALVE M.O. 1.5"-1500 LB VELAN	228.216	AB	141	LM	Y	N	S	MF	61	NA B
1SVV*MOV1B	VALVE M.O. 1.5"-1500 LB VELAN	228.214			LM	Y	N	S	MF	61	NA B
PNL PANEL											
1SVV*PNL101	MONITORING RACK TEC	247.529	CB	136	CF	Y	N	N	MF		B
PT PRESSURE TRANSMITTER											
1SVV-PT3A	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	CT	141	RM	Y	Y	N	MF	22	A
1SVV-PT3B	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	CT	141	RM	Y	Y	N	MF	22	A
RAK RACK											
1SVV*RAK5A	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B
1SVV*RAK5B	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B
1SVV*RAK5C	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B
1SVV*RAK5D	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B
1SVV*RAK5E	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B
1SVV*RAK5F	PRE-AMP HOUSING TEC	247.529	RB	114	DW	Y	Y	N	MF		B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-450

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	HTG	SEIS				

SYSTEM SVV STEAM VENTS - SAFETY VALVES

SOV SOLENOID VALVE

1SVV*SOV20A	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV20B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV21A	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV21B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV22A	V LVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A
1SVV*SOV22B	VALVE - TARGET ROCK	247.501	RB	114	LH	Y	N	S	MF	NA A

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10A	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10B	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10C	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10D	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10E	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10F	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10G	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10H	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B
1SVV*ZE10J	SENSOR TEC	247.529	RB	114	LH	Y	Y	N	MF	B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	LOCATION		LOADS		QUAL METH	NAT FREQ	RRS REF	STATUS	QUAL INST
			BLOG	ELEV HGT	SEIS	HYDR	ANLYS	TEST	LOWEST		

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZE PRIMARY POSITION ELEMENT

1SVV*ZE10K	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10L	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10M	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10N	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10P	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10Q	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B
1SVV*ZE10R	SENSOR TEC	247.529	RB	114	LM	Y	Y	N	MF		B

ZIS *

1SVV*ZIS10A	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10B	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10C	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10D	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10E	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10F	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10G	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10H	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM SVV STEAM VENTS - SAFETY VALVES

ZIS

*

1SVV*ZIS10J	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10K	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZIS10L	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B

ZISI

*

1SVV*ZISI0M	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZISI0N	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZISI0O	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZISI0P	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZISI0Q	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B
1SVV*ZISI0R	MONITOR TEC	247.529	CB	136	RH	Y	N	N	MF		B

ZT

*

1SVV*ZT10A	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10B	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10C	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B
1SVV*ZT10D	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF		B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR				ANLYS

SYSTEM SVV STEAM VENTS - SAFETY VALVES										

ZT

*

1SVV*ZT10E	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	
1SVV*ZT10F	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10G	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10H	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	S
1SVV*ZT10J	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10K	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10L	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10M	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10N	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10O	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10P	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10Q	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B
1SVV*ZT10R	PRE-AMP TEC	247.529	RB	114	DH	Y	Y	N	MF	B

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MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM SVY

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

1SVY*MOV1B	VALVE H.O. 1.5"-1500 LB VELAN	228.216	AB	141	LN	Y	Y	S	61	D
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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---			---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS	HYDR				

SYSTEM SHP SERVICE WATER

BOP EQUIPMENT
AOV AIR OPERATED VALVE

1SHP*AOVS1A	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LM	Y	N				NA	
1SHP*AOVS1B	2"-150# GLOBE FISHER CONTROLS	247.491	AB	141	LM	Y	N				D	Y
											NA	Y

FN FAN

1SHP*FN1A	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	
1SHP*FN1B	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1C	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1D	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1E	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1F	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1G	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1H	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1J	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1K	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1L	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1M	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B
1SHP*FN1N	AXIVANE FAN JOY MFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33	B

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM SHP SERVICE WATER

FN FAN

1SWP*FN1P	AXIVANE FAN JOY HFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1Q	AXIVANE FAN JOY HFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1R	AXIVANE FAN JOY HFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1S	AXIVANE FAN JOY HFG CO	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1T	AXIVANE FAN JOY HFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1U	AXIVANE FAN JOY HFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B
1SWP*FN1V	AXIVANE FAN JOY HFG	232.530	SW	138	CF	Y	N	D	NA	46	32,33 B

FT FLOW TRANSMITTER

1SWP*FT59A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	MF		B Y
1SWP*FT59B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	MF		B Y
1SWP*FT60A	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	MF		B Y
1SWP*FT60B	PRESS TRANSHITT ROSEMOUNT	247.481	FB	70	RH	Y	N	NA	MF		B Y
1SWP*FT64A	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	N	NA	MF		B Y
1SWP*FT64B	PRESS TRANSHITT ROSEMOUNT	247.481	AB	95	RH	Y	N	NA	MF		B Y
1SWP*FT69A	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B Y
1SWP*FT69B	PRESS TRANSHITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV HIG	SEIS	HYDR	ANLYS	TEST	LOWEST	-----STATUS---	QUAL INST

SYSTEM SWP SERVICE WATER

FT FLOW TRANSMITTER

1SHP*FT69C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP*FT69D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP-FT131	PRESS. TRANSMITTER ROSEMOUNT INC.	247.482	DG	98	RH	Y	N	N	MF	22	A	

HOSE

1SHP*HOSE667	FLEX METAL HOSE MTL BELLOWS	247.011				Y		S	MF	10	B	
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LT LEVEL TRANSMITTER

1SHP*LT164	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	NA	MF		B	
1SHP*LT167	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	N	MF		B	

MOV MOTOR OPERATED VALVE

1SHP*MOV171	6"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	
1SHP*MOV172	6"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	Y
1SHP*MOV173	6"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	Y
1SHP*MOV174	6"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	Y
1SHP*MOV27A	6"-150# BUTTERFLY JAMESBURY	228.243	C6	98	LH	Y	N	D	NA	58	NA	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSF SUPPLIER: GENERAL ELECTRIC

DOCKET NO 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---		
			BLDG	ELEV HTG	SEIS	HYDR			ANLYS	TEST	LOWEST

SYSTEM SWP SERVICE WATER

MOV MOTOR OPERATED VALVE

1SNP#MOV27B	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV27C	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV27D	6"-150# BUTTERFLY JAMESBURY	228.243	CB	98	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV4A	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV4B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV40A	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40B	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40C	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV40D	18"-155# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV5A	VALVE H.O. 10"-600 LB. VELAN	228.212	CT	141	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV5B	VALVE H.O. 10"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	58	NA B	Y
1SNP#MOV501A	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV501B	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SNP#MOV502A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV502B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV503A	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y
1SNP#MOV503B	VALVE H.O. 6"-600 LB VELAN	228.212	CT	162	LH	Y	Y	S	HF	54	NA B	Y

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SEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENT

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV	MTG	SEIS	HYDR	ANLYS	TEST	NAT FREQ- LOWEST	RRS REF-- STATUS-- QUAL INST
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SYSTEM SWP SERVICE WATER

MOV MOTOR OPERATED VALVE

1SHP#MOV504A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	Y	S	HF	79	NA B	Y
1SHP#MOV504B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	N	S	HF	82	NA B	Y
1SHP#MOV505A	30"-135# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	>33	NA A	
1SHP#MOV505B	30"-135# BUTTERFLY JAMESBURY	228.243	SH		LH	Y	N	D	NA	>33	NA A	
1SHP#MOV506A	8"-170# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA	
1SHP#MOV506B	8"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	58	NA A	Y
1SHP#MOV507A	VALVE H.O. 12"-500 LB VELAN	228.212	AB	114	LH	Y	Y	S	HF	79	NA B	Y
1SHP#MOV507B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	HF	79	NA B	Y
1SHP#MOV510A	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	N	S	HF	79	NA B	Y
1SHP#MOV510B	VALVE H.O. 12"-300 LB VELAN	228.212	AB	070	LH	Y	N	S	HF	79	NA B	Y
1SHP#MOV511A	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SHP#MOV511B	18"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	52	NA A	Y
1SHP#MOV55A	30"-135# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y
1SHP#MOV55B	30"-135# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y
1SHP#MOV57A	30"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y
1SHP#MOV57B	30"-155# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y
1SHP#MOV61A	30"-135# BUTTERFLY JAMESBURY	228.243	PT		LH	Y	N	D	NA	>33	NA A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV MTG	SEIS	HYDR				

SYSTEM SHP SERVICE WATER

MOV MOTOR OPERATED VALVE

1SNP#MOV61B	30"-135# BUTTERFLY JAMESBURY	228.243	PT	LH	Y	N	D	NA	>33	NA A	Y
1SNP#MOV73A	VALVE M.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B
1SNP#MOV73B	VALVE M.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B
1SNP#MOV74A	VALVE M.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B
1SNP#MOV74B	VALVE M.O. 4"-150 LB VELAN	228.212	AB	114	LH	Y	N	S	MF	52	NA B
1SNP#MOV77A	8"-155# BUTTERFLY JAMESBURY	228.243	PT	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV77B	8"-155# BUTTERFLY JAMESBURY	228.243	PT	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV81A	VALVE M.O. 12"-300 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	79	NA B
1SNP#MOV81B	VALVE M.O. 12"-300 LB VELAN	228.212	AB	141	LH	Y	Y	S	MF	79	NA B
1SNP#MOV96A	8"-155# BUTTERFLY JAMESBURY	228.243	PT	LH	Y	N	D	NA	58	NA A	Y
1SNP#MOV96B	8"-155# BUTTERFLY JAMESBURY	228.243	PT	LH	Y	N	D	NA	58	NA A	Y

P PUMP

1SNP#P2A	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SNP#P2B	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SNP#P2C	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y
1SNP#P2D	WATER PUMP HAYWARD TYLER CO	232.920	SH	118	CF	Y	N	S	N	26	31 A	Y

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM SHP SERVICE WATER

P PUMP

1SHP-P3A	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP-P3B	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP-P3C	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y
1SHP-P3D	CENTRIFUGAL PUMPS GOULD PUMPS	237.160	CB	98	CF	Y	N	S	NA	33	2,7 A	Y

PI PRESSURE INDICATOR

1SHP-PI28A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28C	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI28D	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI29A	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	
1SHP-PI29B	PRESSURE GAUGE DRESSER INDUST.	247.452	OC		LH	Y	NA	N	SF	7	A	

PT PRESSURE TRANSMITTER

1SHP-PT21A	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP-PT21B	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP-PT21C	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM SWP SERVICE WATER

PT PRESSURE TRANSMITTER

1SHP*PT21D	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21E	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21F	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21G	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT21H	PRESS TRANSMITT ROSEMOUNT	247.481	PT		RH	Y	N	NA	MF		B	Y
1SHP*PT32A	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP*PT32B	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP*PT32C	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP*PT32D	PRESS TRANSMITT ROSEMOUNT	247.481	CB	98	RH	Y	N	NA	MF		B	Y
1SHP*PT50A	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	NA	MF		B	Y
1SHP*PT50B	PRESS TRANSMITT ROSEMOUNT	247.481	SW	118	RH	Y	N	NA	MF		B	

PVX

1SHP*PVX32A	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32B	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32C	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y
1SHP*PVX32D	3"-150# GLOBE COPEL VULCAN	247.497	CB	98	LH	Y	N	S	NA	81	NA B	Y

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NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		QUAL	METH	-NAT FREQ-	---RRS REF---	---STATUS---
			BLDG	ELEV	MTG	SEIS					

SYSTEM SHP SERVICE WATER											
PVY *											
1SHP*PVY32A	3"-150# GLOBE COPIES VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B Y
1SHP*PVY32B	3"-150# GLOBE COPIES VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B Y
1SHP*PVY32C	3"-150# GLOBE COPIES VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B Y
1SHP*PVY32D	3"-150# GLOBE COPIES VULCAN	247.497	CB	98	LH	Y	N	S	NA	86	NA B Y
RTD RESISTANCE TEMPERATURE RECORDER											
1SHP*RTD31A	THERMOCOUPLES RTD PYCO	247.461	SH	86		Y	N	NA	HF		C
1SHP*RTD31B	THERMOCOUPLES RTD PYCO	247.461	SH	36		Y	N	NA	HF		C
RV *											
1SHP*RV119	RELIEF VALVES CROSBY	247.521	AB	142	LH	Y	N	S	SO	157	NA B
1SHP*RV133	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B
1SHP*RV140	RELIEF VALVES CROSBY	247.521	RB	151	LH	Y	Y	S	SO	157	NA B
1SHP*RV49A	RELIEF VALVES CROSBY	247.521	AB	141	LH	Y	N	S	SO	157	NA B
1SHP*RV49B	RELIEF VALVES CROSBY	247.521	AD	141	LH	Y	N	S	SO	157	NA B
1SHP*RV79A	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B
1SHP*RV79B	RELIEF VALVES CROSBY	247.521	DG	98	LH	Y	N	S	SO	157	NA B

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	---STATUS---	
			BLDG	ELEV HTG	SEIS	HYDR					ANLYS

SYSTEM SHP SERVICE WATER											
RV *											
1SHP*RV91A	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	157	NA B
1SHP*RV91B	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	157	NA B
1SHP*RV91C	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	157	NA B
1SHP*RV91D	RELIEF VALVES CROSBY	247.521	CB	98	LM	Y	N	S	SO	157	NA B
1SHP-RV92A	RELIEF VALVE CROSBY	247.524	FB	166	LM	Y	N	S	NA	>33	A
1SHP-RV92B	RELIEF VALVE CROSBY	247.524	RW	166	LM	Y	N	S	NA	>33	A
1SHP-RV92C	RELIEF VALVE CROSBY	247.524	RW	166	LM	Y	N	S	NA	>33	A
TW *											
1SHP*TW107	THERMOCOUPLES RTD PYCO	247.461		107		Y	N	NA	MF		C
1SHP*TW132	THERMOCOUPLES RTD PYCO	247.461	CB	106		Y	N	NA	MF		C
1SHP*TW31A	THERMOCOUPLES RTD PYCO	247.461	CL	86		Y	N	NA	MF		C
1SHP*TW31B	THERMOCOUPLES RTD PYCO	247.461	CL	86		Y	N	NA	MF		C
1SHP*TW72A	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF		C
1SHP*TW72B	THERMOCOUPLES RTD PYCO	247.461	CL	94		Y	N	NA	MF		C
1SHP*TW78A	THERMOCOUPLES RTD PYCO	247.461	CB	102		Y	N	NA	MF		C
1SHP*TW78B	THERMOCOUPLES RTD PYCO	247.461	CB	102		Y	N	NA	MF		C

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-958

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-	----RRS REF----	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	QUAL INST

SYSTEM SWP SERVICE WATER											
TH	*										
1SNP*TW93A	THERMOCOUPLES RTD PYCO	247.461	CL	94	Y	N	NA	MF			
1SNP*TW93B	THERMOCOUPLES RTD PYCO	247.461	CL	94	Y	N	NA	MF		C	
1SNP*TW94A	THERMOCOUPLES RTD PYCO	247.461	CL	94	Y	N	NA	MF		C	
1SNP*TW94B	THERMOCOUPLES RTD PYCO		CL	94	Y	N	NA	MF		C	
										C	
TWR	*										
1SNP*TW91	JOY MFG	232.530									
V	*										
1SNP*V328	30" - BUTTERFLY JAMESBURY	228.243			LH	Y	N	D	NA	13	NA A
1SNP*V353	30" - BUTTERFLY JAMESBURY	228.243			LH	Y	N	D	NA	13	NA A

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MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
			BLDG	ELEV MTG	SEIS	HYDR				ANLYS

SYSTEM VBN *										
BOP EQUIPMENT										
PNL PANEL										
1VBN-PNL01A1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF 14	A
1VBN-PNL01B1	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF 14	A
1VBN-PNL02	PANEL BOARDS SQUARE "D" CO.	242.423	CB	136	DH	Y	N	N	MF 14	A
TRS *										
1VBN-TRS01A	BYPASS SWITCH ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF 7.3	A
1VBN-TRS01B	BYPASS SWITCH ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF 7.3	A
1VBN-TRS02	BYPASS SWITCH ELGAR CORP.	244.511	CB	116	CF	Y	N	N	MF 7.3	A
1VBN-TRS04	BYPASS SWITCH ELGAR CORP.	244.511	AD	110	CF	Y	N	N	MF 7.3	A
XRC *										
1VBN-XRC10A1	TRANSFORMER ELGAR CORP.	244.511	CB	116	CF	Y	N	N	MF 7.3	A
1VBN-XRC1801	TRANSFORMER ELGAR CORP.	244.511	AD	110	CF	Y	N	N	MF 7.3	A
1VBN-XRC20C1	TRANSFORMER ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF 7.3	A
1VBN-XRC20D1	TRANSFORMER ELGAR CORP.	244.511	NS	98	CF	Y	N	N	MF 7.3	A

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REPORT DATE XX/XX/XXJOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT-----		---LOCATION---		---LOADS---		-QUAL METH-	-NAT FREQ-	---RRS REF---	
	DESCRIPTION MANUFACTURER	SPEC NO.	BLDG	ELEV MTG	SEIS	HYDR				ANLYS

QUAL INST										

SYSTEM VBS VITAL BUS SYSTEM (INCOMING SUPPLY FROM INVERTER)

BOP EQUIPMENT
PNL PANEL

1VBS*PNL01A	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	3,4,7,9,12,33
1VBS*PNL01B	PANEL BOARDS SQUARE "D" CO.	242.421	CB	136	DW	Y	N	NA	SF	C Y 3,4,7,9,12,33 C Y

TRS

1VBS*TRS01A	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9
1VBS*TRS01B	SWITCH ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	C 8,9 C

XRC

1VBS*XRC14A1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	8,9
1VBS*XRC14B1	TRANSFORMER ELGAR CORP.	244.512	CB	116	CF	Y	N	NA	MF	C 8,9 C

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REPORT DATE XX/XX/XX

ENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

-----EQUIPMENT-----			---LOCATION---		---LOADS---		-QUAL METH-		-NAT FREQ-		----RRS REF----	
EQUIP. ID	DESCRIPTION	SPEC NO.	BLDG	ELEV	HTG	SEIS	HYDR	ANLYS	TEST	LOWEST	---STATUS---	
	MANUFACTURER										QUAL	INST
=====												

BOP EQUIPMENT
HOSE

INCS*HOSE1	FLEX METAL HOSE	247.011	Y	S	MF	10	A
	MTL BELLOWS						
INCS*HOSE2	FLEX METAL HOSE	247.011	Y	S	MF	10	A
	MTL BELLOWS						B
INCS*HOSE3	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLOWS						
INCS*HOSE4	FLEX METAL HOSE	247.011	Y	S	MF	10	
	MTL BELLOWS						

1WCS#MOV111	VALVE H.O. 4"-60 LB VELAN	228.212	AB	114	LH	Y	Y	S	MF	52	NA B	Y
1WCS#MOV172	VALVE H.O. 25" VELAN	228.212	AB	114	LH	Y	Y				NA D	Y
1WCS#MOV173	VALVE H.O. 2.5" VELAN	228.212	AB	114	LH	Y	Y				NA D	Y
1WCS#MOV178	VALVE H.O. 2.5" VELAN	228.212	CT	141	LH	Y	Y	S			NA D	Y

1HCS*RV144	RELIEF VALVES CROSBY	297.521	RB	141	LM	Y	Y	S	SO	333	NA D	B
1HCS*RV154	RELIEF VALVES CROSBY	297.521	RB	147	LM	Y	Y	S	SO	157	NA B	

06/30/84

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REPORT DATE XX/XX/XXJOB NAME RBS - UNIT 1
UTILITY GULF STATESSEISMIC AND DYNAMIC QUALIFICATION SUMMARY AND STATUS REPORT
MASTER LIST OF SAFETY RELATED EQUIPMENTENGINEER: STONE & WEBSTER
NSSS SUPPLIER: GENERAL ELECTRIC

DOCKET NO. 50-458

EQUIP. ID	-----EQUIPMENT----- DESCRIPTION MANUFACTURER	SPEC NO.	---LOCATION---	---LOADS---	-QUAL METH-	-NAT FREQ-	-----RRS REF----
			BLDG ELEV HTG	SEIS HYDR	ANLYS TEST	LOWEST	---STATUS--- QUAL INST

SYSTEM HTL

*

BOP EQUIPMENT
MOV MOTOR OPERATED VALVE

INTL*MOV12A	VALVE M.O. 2"- VELAN	228.216	094	LH	Y	N	S	MF	NA C
INTL*MOV12B	VALVE M.O. 2"- VELAN	228.216	099	LH	Y	N	S	MF	NA C
INTL*MOV12C	VALVE M.O. 2"- VELAN	228.216	094	LH	Y	N	S	MF	NA C

***** FT06 TYPE 1 251 FIELDS WERE PRINTED AS INVALID, MISSING OR OVERFLOW.
***** FT03 TYPE 0 END OF REPORT.

***** H204 TYPE 0 NUMBER OF MESSAGES PRINTED IS 3.

SORTOUT - 2343 RECORDS INPUT
FINAL - 1 RECORDS INPUT
A - 7521 RECORDS OUTPUT

***** H209 TYPE 0 375480 BYTES OF MAIN STORAGE UNUSED DURING REPORTING PHASE

Enclosure 3

RBS

Required Response Spectra

Five (5) packages are provided each made up as follows:

1. Reference RRS numbers 1 through 34 -
Seismic OBE and SSE RRS for Auxiliary, Control, Diesel Generator, Fuel, Turbine, Pipe Tunnels 1 and 2, Standby Service Water Pumphouse and Cooling Tower Buildings.
2. Reference RRS numbers 35 through 68-
Seismic/Hydrodynamic upset and faulted for the Reactor Building.
3. Reference RRS numbers 69 through 101-
Seismic OBE and SSE for the Reactor Building.
4. Reference RRS numbers 102 through 134 -
SRV envelope for the Reactor Building.
5. Reference RRS numbers 135 through 167 -
Chugging for the Reactor Building.