



GULF STATES UTILITIES COMPANY

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AREA CODE 713 838-6631

September 10, 1984
RBG-18854
File Nos. G9.5, G9.19.2
G9.20.8

Mr. Harold R. Denton, Director
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 for your review is one copy each of the River Bend Station (RBS) master lists for both Balance of Plant (BOP) and Nuclear Steam Supply System (NSSS) safety-related active mechanical equipment located in a harsh environment. It is Gulf States Utilities Company's (GSU) understanding that upon completion of your review, two or three components may be selected for further review. GSU will submit documentation packages for each item selected. To date, the Environmental Qualification audit has not been scheduled. It is anticipated to be held during the week of November 12, 1984.

Sincerely,

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

^{and}
JEB/RJK/je

Attachments

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PDR ADOCK 05000458
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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
SORTED BY MARK NC

MARK NO	EQUIPMENT DESCRIPTION	VENDOR	SPEC. NO	REMARKS	MODEL/CATALOG NO.	ENV. ZONE	SUBMRG	GRN1	GRN2	GRN3

B21	NUCLEAR BOILER SYSTEM									
1521*HOVF016	3" GATE VALVE	VELAN	228.212			DM-1				
1521*HOVF019	3" GATE VALVE	VELAN	228.212			AB-114-2				
1521*HOVF027A	3/4" GLOBE VALVE	VELAN	228.214			AB-114-2				
1521*HOVF027B	3/4" GLOBE VALVE	VELAN	228.214			AB-114-2				
1521*HOVF027C	3/4" GLOBE VALVE	VELAN	228.214			AB-114-2				
1521*HOVF027D	3/4" GLOBE VALVE	VELAN	228.214			AB-114-2				
1521*HOVF065A	20" GATE VALVE	VELAN	228.212			AB-114-7				
1521*HOVF065B	20" GATE VALVE	VELAN	228.212			AB-114-7				
1521*HOVF067A	1-1/2" GLOBE VALVE	VELAN	228.214			AB-114-2				
1521*HOVF067B	1-1/2" GLOBE VALVE	VELAN	228.214			AB-114-2				

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRG	QRN1 QRN2 QRN3

B21 NUCLEAR BOILER SYSTEM				
1B21*HOVF067C	1-1/2" GLOBE VALVE VELAN	228.214	AB-114-2	
1B21*HOVF067D	1-1/2" GLOBE VALVE VELAN	228.214	AB-114-2	
1B21*HOVF085	3" GATE VALVE VELAN		AB-114-2	
1B21*HOVF086	3" GATE VALVE VELAN	228.212	AB-114-7	
1B21*HOVF098A	24" GATE VALVE VELAN	228.212	AB-114-7	
1B21*HOVF098B	24" GATE VALVE VELAN	228.212	AB-114-7	
1B21*HOVF098C	24" GATE VALVE VELAN	228.212	AB-114-7	
1B21*HOVF098D	24" GATE VALVE VELAN	228.212	AB-114-7	
1B21*VF010A	20" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF010B	20" CHECK VALVE VELAN	228.211	MAX. ENV.	

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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	SPEC. NO	REMARKS	MODEL/CATALOG NO.	ENV. ZONE	SUBGR	QRN1	QRN2	QRN3
821 NUCLEAR BOILER SYSTEM										
1B21*VF0294	2" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF029A	2" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF029B	2" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF029C	2" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF029D	2" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF036A	1.5" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF036F	1.5" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF036S	1.5" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF036J	1.5" CHECK VALVE VELAN		228.217			MAX. ENV.				
1B21*VF036L	1.5" CHECK VALVE VELAN		228.217			MAX. ENV.				

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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MARK NO EQUIPMENT DESCRIPTION VENDOR SPEC. NO MAKE/MANUFACTURER ENV. ZONE SUBNRS MODEL/CATALOG NO. REHARHS QRN1 QRN2 QRN3

B21 NUCLEAR BOILER SYSTEM

1B21*VF036H	1.5" CHECK VALVE VELAN		228.217		MAX. ENV.			
1B21*VF036N	1.5" CHECK VALVE VELAN		228.217		MAX. ENV.			
1B21*VF036P	1.5" CHECK VALVE VELAN		228.217		MAX. ENV.			
1B21*VF036R	1.5" CHECK VALVE VELAN		228.217		MAX. ENV.			
1B21*VF037A	10" CHECK VALVE VELAN		228.211		MAX. ENV.			
1B21*VF037B	10" CHECK VALVE VELAN		228.211		MAX. ENV.			
1B21*VF037C	10" CHECK VALVE VELAN		228.211		MAX. ENV.			
1B21*VF037D	10" CHECK VALVE VELAN		228.211		MAX. ENV.			
1B21*VF037E	10" CHECK VALVE VELAN		228.211		MAX. ENV.			
1B21*VF037F	10" CHECK VALVE VELAN		228.211		MAX. ENV.			

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MARK NO	EQUIPMENT DESCRIPTION	MANUFACTURER	ENV. ZONE	GRNI
	VENDOR	MODEL/CATALOG NO.	SUBVRS	GRN2
		SPEC. NO	REMARKS	GRN3

521	NUCLEAR BOILER SYSTEM			
1B21*VF037G	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037H	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037J	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037K	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037L	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037M	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037N	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037P	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037R	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1B21*VF037S	10" CHECK VALVE VELAN	228.211	MAX. ENV.	

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUSHRIS	SPEC. NO REMARKS	QRN1 QRN2 QRN3
621	NUCLEAR BOILER SYSTEM				
1821*VF039B	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039C	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039D	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039E	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039H	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039K	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF039S	1.5" CHECK VALVE VELAN		MAX. ENV.	228.217	
1821*VF070P	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF078A	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF078B	10" CHECK VALVE VELAN		MAX. ENV.	228.211	

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBNRG	SPEC. NO REMARKS	QRN1 QRN2 QRN3

521	NUCLEAR BOILER SYSTEM				
1821*VF076C	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076D	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076E	10" CHECK VALVE ELAN		MAX. ENV.	228.211	
1821*VF076F	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076G	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076H	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076J	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076K	10" CHECK VALVE VELAN		MAX. ENV.	228.211	
1821*VF076L	10" CHECK VALVE ELAN		MAX. ENV.	228.211	
1821*VF076M	10" CHECK VALVE VELAN		MAX. ENV.	228.211	

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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	MAKE/MANUFACTURER	MODEL/CATALOG NO.	ENV. ZONE	SUBPRG	SPEC. NO	REMARKS	QRN1	QRN2	QRN3

B21 NUCLEAR BOILER SYSTEM											
1821*VF0788	18" CHECK VALVE	VELAN			MAX. ENV.		228.211				
1821*VF0788	18" CHECK VALVE	VELAN			MAX. ENV.		228.211				
1821*VF0785	18" CHECK VALVE	VELAN			MAX. ENV.		228.211				

B33 REACTOR RECIRC VALVE FLOW CONTROL											
1833*ADV019	DIAPH ACTUATED CONTROL VALVE	FISHER			DN-1		247.491				
1833*ADV020	DIAPH ACTUATED CONTROL VALVE	FISHER			CT-3		247.491				

1833*VF013A	.75" CHECK VALVE	VELAN			MAX. ENV.		228.217				
1833*VF013B	.75" CHECK VALVE	VELAN			MAX. ENV.		228.217				
1833*VF017A	.75" CHECK VALVE	VELAN			MAX. ENV.		228.217				
1833*VF017B	.75" CHECK VALVE	VELAN			MAX. ENV.		228.217				

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MARK NO	EQUIPMENT DESCRIPTION	VENDOR	SPEC NO	REMARKS	MODEL/CATALOG NO.	ENV. ZONE	SUBMFG	QRN1	QRN2	QRN3
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CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

1CCP#HOV129	12" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			AB-070-8				
1CCP#HOV130	12" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			AB-070-8				
1CCP#HOV138	10" GATE VALVE VELAN		228.212			AB-114-6				
1CCP#HOV142	6" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			CT-6				
1CCP#HOV143	6" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			CT-6				
1CCP#HOV144	6" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			DN-1				
1CCP#HOV158	10" GATE VALVE VELAN		228.212			CT-6				
1CCP#HOV159	10" GATE VALVE VELAN		228.212			AB-114-6				
1CCP#HOV164	12" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			AB-070-8				
1CCP#HOV168	12" MAFER SPHERE VALVE JAMESBURY CORP.		228.243			AB-070-8				

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MARK NO EQUIPMENT DESCRIPTION VENDOR SPEC. NO MAKE/MANUFACTURER ENV. ZONE SUBHRG QRN1 QRN2 QRN3

CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR

MARK NO	EQUIPMENT DESCRIPTION	VENDOR	SPEC. NO	MAKE/MANUFACTURER	ENV. ZONE	SUBHRG	QRN1	QRN2	QRN3
1CCP*H0V163	2" GLOBE VALVE VELAN		228.214		FB-070-6				
1CCP*H0V169	2" GLOBE VALVE VELAN		228.214		FB-070-6				
1CCP*H0V335	12" WAFFER SPHERE VALVE JANESBURY CORP.		228.243		AB-070-8				
1CCP*H0V336	12" WAFFER SPHERE VALVE JANESBURY CORP.		228.243		AB-070-8				
1CCP*V033	1.5" CHECK VALVE VELAN		228.213		MAX. ENV.				
1CCP*V118	10" CHECK VALVE VELAN		228.211		MAX. ENV.				
1CCP*V119	6" CHECK VALVE VELAN		228.211		MAX. ENV.				
1CCP*V133	1.5" CHECK VALVE VELAN		228.213		MAX. ENV.				
1CCP*V160	1.5" CHECK VALVE VELAN		228.213		MAX. ENV.				
1CCP*V2	1" CHECK VALVE VELAN		228.213		MAX. ENV.				

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBSYS	ORNI ORNI2 ORNI3
	SPEC. NO	REMARKS		
CCP COMPONENT COOLING - PRIMARY CONTAINMENT OR REACTOR				
1CCP#V204	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1CCP#V205	10" C.S. BUTTERFLY VALVE JAMESBURY CORP.	228.246	FB-070-1	
1CCP#V207	10" C.S. BUTTERFLY VALVE JAMESBURY CORP.	228.246	FB-070-1	
1CCP#V209	10" CHECK VALVE VELAN	228.211	MAX. ENV.	
1CCP#V337	2" CHECK VALVE VELAN	228.213	MAX. ENV.	
1CCP#V338	2" CHECK VALVE VELAN	228.213	MAX. ENV.	
1CCP#V72	12" CHECK VALVE VELAN	228.211	MAX. ENV.	
1CCP#V73	12" CHECK VALVE VELAN	228.211	MAX. ENV.	
1CCP#V83	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.	
1CCP#V92	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.	

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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MARK NO	EQUIPMENT DESCRIPTION VENDOR	SPEC. NO	NAME/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUSPBG	GRN1 GRN2 GRN3

C/S CONTAINMENT ATMOSPHERE MONITORING					
1CMS*SOV31A	SOLENOID VALVE TARGET ROCK CORP.	247.501	AB-114-6		
1CMS*SOV31B	SOLENOID VALVE TARGET ROCK CORP.	247.501	AB-114-4		
1CMS*SOV31C	SOLENOID VALVE TARGET ROCK CORP.	247.501	AB-114-6		
1CMS*SOV31D	SOLENOID VALVE TARGET ROCK CORP.	247.501	AB-114-4		
1CMS*SOV32A	SOLENOID VALVE TARGET ROCK CORP.	247.501	CT-6		
1CMS*SOV32B	SOLENOID VALVE TARGET ROCK CORP.	247.501	CT-6		
1CMS*SOV33A	SOLENOID VALVE TARGET ROCK CORP.	247.501	CT-1		
1CMS*SOV33A	SOLENOID VALVE TARGET ROCK CORP.	247.501	CT-2		
1CMS*SOV33B	SOLENOID VALVE TARGET ROCK CORP.	247.501	CT-1		
1CMS*SOV33B	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.	247.501	CT-6		

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
VENDOR	SPEC. NO	MODEL/CATALOG NO.	SUBGRG
REMARKS			
DIS CONTAINMENT ATMOSPHERE MONITORING			
1CMS-SOV33C	SOLENOID VALVE TARGET ROCK CORP.		CT-1
	247.501		
1CMS-SOV33D	SOLENOID VALVE TARGET ROCK CORP.		CT-1
	247.501		
1CMS-SOV33E	SOLENOID VALVE TARGET ROCK CORP.		CT-1
	247.501		
1CMS-SOV33F	SOLENOID VALVE TARGET ROCK CORP.		CT-1
	247.501		
1CMS-SOV33G	SOLENOID VALVE TARGET ROCK CORP.		CT-5
	247.501		
1CMS-SOV33H	SOLENOID VALVE TARGET ROCK CORP.		CT-5
	247.501		
1CMS-SOV33J	SOLENOID VALVE TARGET ROCK CORP.		CT-10
	247.501		
1CMS-SOV33K	SOLENOID VALVE TARGET ROCK CORP.		CT-10
	247.501		
1CMS-SOV33S	SOLENOID VALVE TARGET ROCK CORP.		CT-5
	247.501		
1CMS-SOV33T	SOLENOID VALVE TARGET ROCK CORP.		CT-5
	247.501		

08N1
08N2
08N3

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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PART NO	EQUIPMENT DESCRIPTION	MANUFACTURER	ENV. ZONE	REMARKS	QTY
10MS-S0N33U	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N33V	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N33W	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N33X	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N33Y	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N33Z	SOLENOID VALVE TARGET ROCK CORP.				247.501
10MS-S0N34A	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.				247.501
10MS-S0N34B	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.				247.501
10MS-S0N34C	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.				247.501
10MS-S0N34D	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.				247.501

QSN1
QSN2
QSN3

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RBS-ENVIRONMENTAL QUALIFICATION DATA MASTER LIST - MECHANICAL
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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE           QRN1
              VENDOR                      MODEL/CATALOG NO.   SUBMRG             QRN2
              SPEC.NO                    REMARKS              QRN3
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CMS CONTAINMENT ATMOSPHERE MONITORING

1CMS*SOV35A SOL & PRESSURE CONTROL VALVE CT-G
TARGET ROCK CORP.
247.501

1CMS*SOV35B SOL & PRESSURE CONTROL VALVE CT-G
TARGET ROCK CORP.
247.501

1CMS*SOV35C SOL & PRESSURE CONTROL VALVE CT-G
TARGET ROCK CORP.
247.501

1CMS*SOV35D SOL & PRESSURE CONTROL VALVE CT-G
TARGET ROCK CORP.
247.501

1CMS*V40 .75" CHECK VALVE MAX. ENV.
VELAN
228.217

1CMS*V41 .75" CHECK VALVE MAX. ENV.
VELAN
228.217

CNS CONDENSATE - MAKE-UP AND DRAHOFF

1CNS*HOV125 4" GATE VALVE AB-114-6
VELAN
228.212

1CNS*HOV130 4" GATE VALVE AB-114-6
VELAN
228.212

1CNS*V86 4" CHECK VALVE MAX. ENV.
VELAN
228.211

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG            QRN2
              SPEC.NO                     REMARKS           QRN3
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CPM CONTAINMENT HYDROGEN MIXING

1CPH*FN1A	HYDROGEN MIXING FAN BUFFALO FORGE CO	215.400	CT-G
1CPH*FN1B	HYDROGEN MIXING FAN BUFFALO FORGE CO	215.400	CT-G
1CPH*HOV1A	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV1B	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV2A	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV2B	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV3A	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV3B	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV4A	6" FLG VLV POSI SEAL INT INC	228.241	CT-G
1CPH*HOV4B	6" FLG VLV POSI SEAL INT INC	228.241	CT-G

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              VENDOR                    MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                  REMARKS            QRN3
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CPP CONTAINMENT PURGE

1CPP*HOV104	3" GATE VALVE VELAN	228.212	CT-5A
1CPP*HOV105	3" GATE VALVE VELAN	228.212	AN-1
1CPP*SOV140	SOLENOID VALVE TARGET ROCK CORP.	247.501	AB-114-6

CSH CORE SPRAY - HIGH PRESSURE

1CSH*V12	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.
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CSL CORE SPRAY - LOW PRESSURE

1CSL*V10	4" CHECK VALVE VELAN	228.211	MAX. ENV.
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C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM

1C11*HOVF083	2" GLOBE VALVE VELAN	228.216	FB-113-G
1C11*VF122	2" CHECK VALVE VELAN	228.217	MAX. ENV.

C41 STANDBY LIQUID CONTROL SYSTEM

1C41*HOVF001A	3" GLOBE VALVE VELAN	228.216	DN-1
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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

C41 STANDBY LIQUID CONTROL SYSTEM

1C41*MOVF001B	3" GLOBE VALVE VELAN	228.216	DM-1	
1C41*VF006	1.5" CHECK VALVE VELAN	228.217	MAX. ENV.	
1C41*VF007	1.5" CHECK VALVE VELAN	228.217	MAX. ENV.	
1C41*VF033A	1.5" CHECK VALVE VELAN	228.217	MAX. ENV.	
1C41*VF033B	1.5" CHECK VALVE VELAN	228.217	MAX. ENV.	

DER DRAINS - REACTOR BLDG EQUIPMENT

1DER*AOV126	DIAPH ACTUATED CONTROL VALVE FISHER	247.491	CT-3	
1DER*AOV127	DIAPH ACTUATED CONTROL VALVE FISHER	247.491	FB-113-G	
1DER*SOV165	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.	247.501	CT-2	
1DER*SOV166	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.	247.501	CT-2	

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

DER DRAINS - REACTOR BLDG EQUIPMENT

1DER#V14	8" CHECK VALVE VELAN			MAX. ENV.	
		228.215			
1DER#V15	8" CHECK VALVE VELAN			MAX. ENV.	
		228.215			
1DER#V16	8" CHECK VALVE VELAN			MAX. ENV.	
		228.215			
1DER#V17	8" CHECK VALVE VELAN			MAX. ENV.	
		228.215			

DFR DRAINS - REACTOR PLANT FLOOR

1DFR#AOV101	DIAPH ACTUATED CONTROL VALVE FISHER			CT-3	
		247.491			
1DFR#AOV102	DIAPH ACTUATED CONTROL VALVE FISHER			AB-114-6	
		247.491			
1DFR#SOV142	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.			CT-2	
		247.501			
1DFR#SOV143	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.			CT-2	
		247.501			
1DFR#V1	8" CHECK VALVE VELAN			MAX. ENV.	
		228.215			

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                     REMARKS            QRN3
*****
```

DFR DRAINS - REACTOR PLANT FLOOR

1DFR#V107	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V108	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V117	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V118	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V127	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V128	4" CHECK VALVE VELAN	228.211		MAX. ENV.
1DFR#V180	.50" CHECK VALVE VELAN	228.213		MAX. ENV.
1DFR#V2	8" CHECK VALVE VELAN	228.215		MAX. ENV.
1DFR#V3	8" CHECK VALVE VELAN	228.215		MAX. ENV.
1DFR#V4	8" CHECK VALVE VELAN	228.215		MAX. ENV.

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

DFR DRAINS - REACTOR PLANT FLOOR

1DFR*V78	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		
1DFR*V79	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		
1DFR*V87	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		
1DFR*V88	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		
1DFR*V97	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		
1DFR*V98	4" CHECK VALVE VELAN			MAX. ENV.
		228.211		

EGA GENERATOR STANDBY - AIR COMPRESSOR- DIESEL STARTING AIR

1EGA*VF102	1.5" CHECK VALVE VELAN			MAX. ENV.
		228.213		
1EGA*VF115	1.5" CHECK VALVE VELAN			MAX. ENV.
		228.213		
1EGA*VF126	1.5" CHECK VALVE VELAN			MAX. ENV.
		228.213		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER    ENV. ZONE           QRN1
              VENDOR                               MODEL/CATALOG NO.   SUBMRG             QRN2
              SPEC.NO                             REMARKS              QRN3
*****
  
```

EGA GENERATOR STANDBY - AIR COMPRESSOR- DIESEL STARTING AIR

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	ENV. ZONE
1EGA*VF137	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.
1EGA*V147	6" CHECK VALVE VELAN	228.211	MAX. ENV.
1EGA*V148	6" CHECK VALVE VELAN	228.211	MAX. ENV.
1EGA*V151	6" CHECK VALVE VELAN	228.211	MAX. ENV.
1EGA*V152	6" CHECK VALVE VELAN	228.211	MAX. ENV.

EGF GENERATOR STANDBY - FUEL

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	ENV. ZONE
1EGF*V3	2" CHECK VALVE VELAN	228.213	MAX. ENV.
1EGF*V33	2" CHECK VALVE VELAN	228.213	MAX. ENV.
1EGF*V63	2" CHECK VALVE VELAN	228.213	MAX. ENV.

E12 RESIDUAL HEAT REMOVAL

MARK NO	EQUIPMENT DESCRIPTION	SPEC.NO	ENV. ZONE
1E12*HOVF003A	14" GLOBE VALVE VELAN	228.212	AB-070-2

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MARK NO EQUIPMENT DESCRIPTION MAKE/HANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

E12 RESIDUAL HEAT REMOVAL

1E12*HOVF003B	14" GLOBE VALVE VELAN	228.212	AB-070-2
1E12*HOVF024A	14" GATE VALVE VELAN	228.212	AB-095-6
1E12*HOVF024B	14" GATE VALVE VELAN	228.212	AB-095-7
1E12*HOVF042A	10" GATE VALVE VELAN	228.212	CT-G
1E12*HOVF042B	10" GATE VALVE VELAN	228.212	CT-G
1E12*HOVF042C	10" GATE VALVE VELAN	228.212	AB-114-5
1E12*HOVF047A	14" GATE VALVE VELAN	228.212	AB-095-2
1E12*HOVF047B	14" GATE VALVE VELAN	228.212	AB-095-5
1E12*HOVF048A	14" GLOBE VALVE VELAN	228.212	AB-070-2
1E12*HOVF048B	14" GLOBE VALVE VELAN	228.212	AB-070-2

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBMRG	Q/RN1 Q/RN2 Q/RN3
	SPEC. NO	REMARKS		

E12	RESIDUAL HEAT REMOVAL			
1E12*HOVF064A	4" GATE VALVE VELAN		AB-070-2	
	228.212			
1E12*HOVF064B	4" GATE VALVE VELAN		AB-070-5	
	228.212			
1E12*HOVF064C	4" GATE VALVE VELAN		AB-070-4	
	228.212			
1E12*HOVF094	10" GATE VALVE VELAN		AB-095-5	
	228.212			
1E12*HOVF096	10" GATE VALVE VELAN		AB-095-5	
	228.212			
1E12*HOV068A	18" WAFER SPHERE VALVE JAMESBURY CORP.		PT-3	
	228.243			
1E12*HOV068B	18" WATER SPHERE VALVE JAMESBURY CORP.		PT-3	
	228.243			
1E12*PC003	RHR ECCS SUBSYST. FILL PUMP GOULDS PUMPS, INC.		AB-070-4	
	237.160			
1E12*RVF005	RELIEF VALVE CROSBY		AB-070-2	
	247.521			
1E12*RVF017A	RELIEF VALVE CROSBY		AB-070-2	
	247.521			

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*****
MARK NO      EQUIPMENT DESCRIPTION     MAKE/MANUFACTURER  ENV. ZONE           QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG             QRN2
              SPEC. NO                    REMARKS           QRN3
*****

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E12 RESIDUAL HEAT REMOVAL

MARK NO	EQUIPMENT DESCRIPTION	VENDOR	SPEC. NO	MAKE/MANUFACTURER	MODEL/CATALOG NO.	ENV. ZONE	QRN1	QRN2	QRN3
1E12*RVF017B	RELIEF VALVE	CROSBY	247.521			AB-070-5			
1E12*RVF025A	RELIEF VALVE	CROSBY	247.521			AB-095-2			
1E12*RVF025B	RELIEF VALVE	CROSBY	247.521			AB-095-5			
1E12*RVF025C	RELIEF VALVE	CROSBY	247.521			AB-070-4			
1E12*RVF030	RELIEF VALVE	CROSBY	247.521			AB-070-5			
1E12*RVF036	RELIEF VALVE	CROSBY	247.521			AB-070-2			
1E12*RVF055A	RELIEF VALVE	CROSBY	247.521			AB-114-8			
1E12*RVF055B	RELIEF VALVE	CROSBY	247.521			AB-114-8			
1E12*RVF101	RELIEF VALVE	CROSBY	247.521			AB-070-4			
1E12*SOVF060A	SOL & PRESSURE CONTROL VALVE	TARGET ROCK CORP.	247.501			AB-070-2			

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE      QRN1
              VENDOR                  MODEL/CATALOG NO.  SUE .RG       QRN2
              SPEC.NO                   REMARKS           QRN3
*****
```

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1
	VENDOR	MODEL/CATALOG NO.	SUE .RG	QRN2
	SPEC.NO	REMARKS		QRN3
E12 RESIDUAL HEAT REMOVAL				
1E12*SOVF060B	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.		AB-070-5	
	247.501			
1E12*SOVF075A	SOLENOID VALVE TARGET ROCK CORP.		AB-70-2	
	247.501			
1E12*SOVF075B	SOLENOID VALVE TARGET ROCK CORP.		AB-70-5	
	247.501			
1E12*SOVF095	SOLENOID VALVE TARGET ROCK CORP.		AB-70-6	
	247.501			
1E12*VF014A	18" C.S. BUTTERFLY VALVE JAMESBURY CORP.		PT-3	
	228.246			
1E12*VF014B	18" C.S. BUTTERFLY VALVE JAMESBURY CORP.		PT-3	
	228.246			
1E12*VF019	4" CHECK VALVE VELAN		MAX. ENV.	
	228.211			
1E12*VF031A	14" CHECK VALVE VELAN		MAX. ENV.	
	228.211			
1E12*VF031B	14" CHECK VALVE VELAN		MAX. ENV.	
	228.211			
1E12*VF031C	14" CHECK VALVE VELAN		MAX. ENV.	
	228.211			

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                  REMARKS            QRN3
*****
```

MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBMRG	QRN1	QRN2	QRN3
E12	RESIDUAL HEAT REMOVAL					
1E12*VF046A	4" CHECK VALVE VELAN		MAX. ENV.			
		228.211				
1E12*VF046C	4" CHECK VALVE VELAN		MAX. ENV.			
		228.211				
1E12*VF054A	4" CHECK VALVE VELAN		MAX. ENV.			
		228.211				
1E12*VF054B	4" CHECK VALVE VELAN		MAX. ENV.			
		228.211				
1E12*VF084A	1.5" CHECK VALVE VELAN		MAX. ENV.			
		228.213				
1E12*VF084B	1.5" CHECK VALVE VELAN		MAX. ENV.			
		228.213				
1E12*VF084C	1.5" CHECK VALVE VELAN		MAX. ENV.			
		228.213				
1E12*VF103A	.75" CHECK VALVE VELAN		MAX. ENV.			
		228.213				
1E12*VF103B	.75" CHECK VALVE VELAN		MAX. ENV.			
		228.213				
1E12*VF104A	.75" CHECK VALVE VELAN		MAX. ENV.			
		228.213				

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBPRG            QRN2
              SPEC.NO                    REMARKS            QRN3
*****
```

E12 RESIDUAL HEAT REMOVAL

1E12*VF104B .75" CHECK VALVE MAX.ENV.
 VELAN
 228.213

E21 CORE SPRAY - LOW PRESSURE

1E21*HOVF001 20" GATE VALVE AB-070-8
 VELAN
 228.212

1E21*HOVF005 10" GATE VALVE AB-114-6
 VELAN
 228.212

1E21*HOVF011 4" GATE VALVE AB-095-8
 VELAN
 228.212

1E21*HOVF012 10" GLOBE VALVE AB-095-8
 VELAN
 228.212

1E21*PC002 LPCS ECCS SUBSYST. FILL PUMP AB-070-1
 GOULDS PUMPS, INC.
 237.160

1E21*RVF018 RELIEF VALVE AB-114-6
 CROSBY
 247.521

1E21*RVF031 RELIEF VALVE AB-070-6
 CROSBY
 247.521

1E21*VF024B 2" CHECK VALVE MAX.ENV.
 VELAN
 228.217

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBHRG            QRN2
              SPEC.NO                     REMARKS            QRN3
*****
  
```

E21 CORE SPRAY - LOW PRESSURE

1E21*VF046B	4" CHECK VALVE VELAN	228.211	MAX. ENV.
1E21*VF079	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.

E22 CORE SPRAY - HIGH PRESSURE

1E22*PC003	HPCS ECCS SUBSYST. FILL PUMP GOULDS PUMPS, INC.	237.160	AB-070-6
1E22*RVF014	RELIEF VALVE CROSBY	247.521	AB-070-7
1E22*RVF035	RELIEF VALVE CROSBY	247.521	AB-070-7
1E22*RVF039	RELIEF VALVE CROSBY	247.521	AB-070-7
1E22*VF002	16" CHECK VALVE VELAN	228.211	MAX. ENV.
1E22*VF003	12" CHECK VALVE VELAN	228.211	MAX. ENV.
1E22*VF007	1.5" CHECK VALVE VELAN	228.213	MAX. ENV.

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MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBIRG QRN2
 SPEC.NO REMARKS QRN3

E22 CORE SPRAY - HIGH PRESSURE

1E22*VF024 14" CHECK VALVE MAX. ENV.
 VELAN
 228.211

E31 LEAK DETECTION SYSTEM

1E31*VF012A .75" CHECK VALVE MAX. ENV.
 VELAN
 228.213

E33 MAIN STEAM ISOLATION VALVE SEALS

1E33*HOV/F005 2" GLOBE VALVE AB-114-6
 VELAN
 228.214

1E33*HOVF006 2" GLOBE VALVE AB-114-6
 VELAN
 228.214

1E33*HOVF007 2" GLOBE VALVE AB-114-2
 VELAN
 228.214

1E33*HOVF008 2" GLOBE VALVE AB-114-2
 VELAN
 228.214

1E33*HOVF025 2" GLOBE VALVE AB-114-3
 VELAN
 228.214

1E33*HOVF026 2" GLOBE VALVE AB-114-8
 VELAN
 228.214

1E33*HOVF027 2" GLOBE VALVE AB-114-7
 VELAN
 228.214

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                     REMARKS           QRN3
*****
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E33 MAIN STEAM ISOLATION VALVE SEALS

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1
1E33*MOVF020	2" GLOBE VALVE VELAN		AB-114-7	
	228.214			
1E33*PVF002	CONTROL VALVE FOR MOD. SERVICE COPE'S VULCAN/BHARNER		AB-114-8	
	247.497			
1E33*PVF022	CONTROL VALVE FOR MOD. SERVICE COPE'S VULCAN/BHARNER		AB-114-B	
	247.497			
1E33*RVF003	RELIEF VALVE CROSBY		AB-141-9	
	247.521			
1E33*RVF023	RELIEF VALVE CROSBY		AB-095-6	
	247.521			
1E33*SOVF014	SOLENOID VALVE TARGET ROCK CORP.		AB-141-3	
	247.501			
1E33*SOVF034	SOLENOID VALVE TARGET ROCK CORP.		AB-141-3	
	247.501			
1E33*VF004	2" CHECK VALVE VELAN		HAX. ENV.	
	228.213			
1E33*VF024	2" CHECK VALVE VELAN		HAX. ENV.	
	228.213			


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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE           QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG             QRN2
              SPEC.NO                     REMARKS            QRN3
*****
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E51 REACTOR CORE ISOLATION COOLING SYSTEM

1E51*AOVF004	DIAPH ACTUATED CONTROL VALVE FISHER 247.491		AB-070-3	
1E51*AOVF005	DIAPH ACTUATED CONTROL VALVE FISHER 247.491		AB-070-3	
1E51*AOVF025	DIAPH ACTUATED CONTROL VALVE FISHER 247.491		AB-070-3	
1E51*AOVF026	DIAPH ACTUATED CONTROL VALVE FISHER 247.491		AB-070-3	
1E51*AOVF054	DIAPH ACTUATED CONTROL VALVE FISHER 247.491		AB-070-3	
1E51*HOVF013	6" GATE VALVE VELAN 228.212		AB-095-3	
1E51*HOVF022	4" GLOBE VALVE VELAN 228.212		AB-070-3	
1E51*HOVF031	6" GATE VALVE VELAN 228.212		AB-070-8	
1E51*HOVF045	4" GLOBE VALVE VELAN 228.212		AB-073-3	
1E51*HOVF046	2" GLOBE VALVE VELAN 228.214		AB-070-3	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER    ENV. ZONE             QRN1
              VENDOR                      MODEL/CATALOG NO.    SUBMRG               QRN2
              SPEC.NO                    REMARKS              QRN3
*****
```

E51 REACTOR CORE ISOLATION COOLING SYSTEM

1E51*HOVF063	8" GATE VELAN		CT-9	
		228.212		
1E51*HOVF064	8" GATE VALVE VELAN		AB-114-2	
		228.212		
1E51*HOVF068	12" GATE VALVE VELAN		AB-095-7	
		228.212		
1E51*HOVF077	1-1/2" GLOBE VALVE VELAN		AB-095-G	
		228.214		
1E51*HOVF078	2-1/2" GLOBE VELAN		AB-095-G	
		228.212		
1E51*PCVF015V	SOLENOID VALVE TARGET ROCK CORP.		AB-070-3	
		247.501		
1E51*PC003	RCIC ECCS SUBSYST. FILL PUMP GOULDS PUMPS, INC.		AB-070-3	
		237.160		
1E51*RVF090	RELIEF VALVE CROSBY		AB-070-3	
		247.521		
1E51*VF013	6" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1E51*VF024C	2" CHECK VALVE VELAN		MAX. ENV.	
		228.217		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE      QRN1
              VENDOR                    MODEL/CATALOG NO.  SUBMRG         QRN2
              SPEC.NO                   REMARKS           QRN3
*****
```

E51 REACTOR CORE ISOLATION COOLING SYSTEM

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
1E51wVF024D	2" CHECK VALVE VELAN		MAX. ENV.
	228.217		
1E51wVF030	6" CHECK VALVE VELAN		MAX. ENV.
	228.211		
1E51wVF040	12" CHECK VALVE VELAN		MAX. ENV.
	228.211		
1E51wVF047	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1E51wVF061	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1E51wVF081	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		

FPW FIRE PROTECTION - WATER

1FPWwMOV121	GATE VALVE VELAN		AB-141-3
	228.212		
1FPWwMOV122	6" GATE VALVE VELAN		AB-141-3
	228.212		
1FPWwV263	6" CHECK VALVE VELAN		MAX. ENV.
	228.211		

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE           QRN1
              VENDOR                      MODEL/CATALOG NO.   SUBMRG             QRN2
              SPEC.NO                    REMARKS              QRN3
*****
  
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FHS FEEDWATER SYSTEM

1FHS*MOV7A 20" GATE VALVE
 VELAN
 228.212
 AB-114-7

1FHS*MOV7B 23" GATE VALVE
 VELAN
 228.212
 AB-114-7

GTS GAS TREATMENT STANDBY

1GTS*A00-ME OPPOSED BLADE AIR OPR DAMPER
 QUALITY AIR DESIGN
 215.480
 MAX. ENV.

1GTS*DMP2A MANUAL BACKDRAFT DAMPER
 QUALITY AIR DESIGN
 215.480
 AB-141-5

1GTS*DMP2B MANUAL BACKDRAFT DAMPER
 QUALITY AIR DESIGN
 215.480
 AB-141-6

1GTS*DMP4A MANUAL BACKDRAFT DAMPER
 QUALITY AIR DESIGN
 215.480
 AB-141-5

1GTS*DMP4B MANUAL BACKDRAFT DAMPER
 QUALITY AIR DESIGN
 215.480
 AB-141-6

1GTS*FLT1A STBY EXHAUST FILTRATION SYSTEM
 AMERICAN AIR FILTER
 225.220
 AB-141-5

1GTS*FLT1B STBY EXHAUST FILTRATION SYSTEM
 AMERICAN AIR FILTER
 225.220
 AS-141-5

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE           QRN1
              VENDOR                               MODEL/CATALOG NO.  SUBHRG             QRN2
              SPEC.NO                            REMARKS                                QRN3
*****
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GTS GAS TREATMENT STANDBY

```
1GTS*FN1A    STBY GAS TRTMT EXHAUST BLOWER      AB-141-5
              BUFFALO FORGE CO
              215.400

1GTS*FN1B    STBY GAS TRTMT EXHAUST BLOWER      AB-141-6
              BUFFALO FORGE CO
              215.400

1GTS*FN2A    STBY GAS TRTMT U DECAY HTFAN       AB-141-5
              BUFFALO FORGE CO
              215.400

1GTS*FN2B    STBY GAS TRTMT U DECAY HT FAN      AB-141-6
              BUFFALO FORGE CO
              215.400
```

G33 REACTOR WATER CLEAN-UP

```
1G33*HOVF001 6" GATE VALVE                       DH-1
              VELAN
              228.212

1G33*HOVF004 6" GATE VALVE                       AB-114-2
              VELAN
              228.212

1G33*HOVF028 4" GATE VALVE                       CT-7
              VELAN
              228.212

1G33*HOVF034 4" GATE VALVE                       AB-114-2
              VELAN
              228.212

1G33*HOVF039 6" GATE VALVE                       AB-114-2
              VELAN
              228.212
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G33	REACTOR WATER CLEAN-UP			
1633wMOVF040	6" GATE VALVE VELAN		CT-7	
		228.212		
1633wMOVF053	4" GATE VALVE VELAN		CT-7	
		228.212		
1633wMOVF054	4" GATE VALVE VELAN		AB-114-2	
		228.212		
1633wSOVF041	SOLENOID VALVE TARGET ROCK CORP.		AB-114-6	
		247.501		
1633wVF012A	3" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1633wVF012B	3" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1633wVF050A	10" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1633wVF051	4" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1633wVF052A	4" CHECK VALVE VELAN		MAX. ENV.	
		228.211		
1633wVF052B	4" CHECK VALVE VELAN		MAX. ENV.	
		228.211		

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO. SPEC.NO	ENV. ZONE SUBMRG REMARKS	QRN1 QRN2 QRN3

HVC AIR CONDITIONING - CONTROL BUILDING OR AREA				
1HVC*A00-HE	OPPOSED BLADE AIR OPR DAMPER QUALITY AIR DESIGN	215.480	MAX. ENV.	
1HVC*V50	18" C.S. BUTTERFLY VALVE JAMESBURY CORP.	228.246	PT-8	
1HVC*V51	18" C.S. BUTTERFLY VALVE JAMESBURY CORP.	228.246	PT-4	
HVF VENTILATION - FUEL BUILDING				
1HVF*A00-HE	OPPOSED BLADE AIR OPR DAMPER QUALITY AIR DESIGN	215.480	MAX. ENV.	
1HVF*DHP12	TORNADO DAMPER QUALITY AIR DESIGN	215.480	FB-148-G	
1HVF*DHP13	TORNADO DAMPER QUALITY AIR DESIGN	215.480	FB-148-G	
1HVF*DHP14	TORNADO DAMPER QUALITY AIR DESIGN	215.480	FB-148-G	
1HVF*FLT2A	STBY EXHAUST FILTRATION SYS AMERICAN AIR FILTER	225.220	FB-148-1	
1HVF*FLT2B	STBY EXHAUST FILTRATION SYS AMERICAN AIR FILTER	225.220	FB-148-1	


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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE           QRN1
              VENDOR                          MODEL/CATALOG NO.   SUBHRG             QRN2
              SPEC.NO                       REMARKS              QRN3
*****
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HVF VENTILATION - FUEL BUILDING

1HVF*FN3A	FILTER TRAIN EXHAUST BLOWER BUFFALO FORGE CO	215.400	FB-148-1	
1HVF*FN3B	FILTER TRAIN EXHAUST BLOWER BUFFALO FORGE CO	215.400	FB-148-1	
1HVF*FN7A	CHARCOAL FILTER U DECAY HT FAN BUFFALO FORGE CO	215.400	FB-148-1	
1HVF*FN7B	CHARCOAL FILTER U DECAY HT FAN BUFFALO FORGE CO	215.400	FB-148-1	

HVK CHILLED WATER - CONTROL BUILDING OR AREA

1HVK*V20	6" CHECK VALVE TRW MISSION	228.229	MAX. ENV.	
1HVK*V33	6" CHECK VALVE TRW MISSION	228.229	MAX. ENV.	
1HVK*V39	6" CHECK VALVE TRW MISSION	228.229	MAX. ENV.	
1HVK*V48	2" CHECK VALVE VELAN	228.213	MAX. ENV.	
1HVK*V49	2" CHECK VALVE VELAN	228.213	MAX. ENV.	

 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

HVK CHILLED WATER - CONTROL BUILDING OR AREA

1HVK*V69	6" CHECK VALVE TRN MISSION	228.229		MAX.ENV.
1HVK*V82	6" CHECK VALVE TRN MISSION	228.229		MAX.ENV.
1HVK*V83	6" CHECK VALVE TRN MISSION	228.229		MAX.ENV.
1HVK*V97	2" CHECK VALVE VELAN	228.213		MAX.ENV.
1HVK*V98	2" CHECK VALVE VELAN	228.213		MAX.ENV.

HVN CHILLED WATER - VENTILATION

1HVN*MOV102	8" GATE VALVE VELAN	228.212		AN-1
1HVN*MOV127	8" GATE VALVE VELAN	228.212		AB-141-4
1HVN*MOV128	8" GATE VALVE VELAN	228.212		AB-141-4
1HVN*MOV129	8" GATE VALVE VELAN	228.212		AB-141-4

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*****
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              VENDOR                      MODEL/CATALOG NO.      SUBMRG         GRN2
              SPEC.NO                    REMARKS                 GRN3
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MVN CHILLED WATER - VENTILATION

1HVNwHOV130	8" GATE VALVE VELAN			AB-141-4		
		228.212				
1HVNwHOV20A	6" GATE VALVE VELAN			CT-6		
		228.212				
1HVNwHOV22B	6" GATE VALVE VELAN			CT-6		
		228.212				
1HVNwTV5A	DAPH ACTUATED CONTROL VALVE FISHER			CT-3		
		247.491				
1HVNwTV5B	DAPH ACTUATED CONTROL VALVE FISHER			CT-3		
		247.491				
1HVNwV1316	.75" CHECK VALVE VELAN			MAX. ENV.		
		228.213				
1HVNwV920	8" CHECK VALVE VELAN			MAX. ENV.		
		228.211				
1HVNwV921	8" CHECK VALVE VELAN			MAX. ENV.		
		228.211				
1HVNwV541	8" CHECK VALVE VELAN			MAX. ENV.		
		228.211				
1HVNwV544	6" CHECK VALVE VELAN			MAX. ENV.		
		228.211				

MARK NO	EQUIPMENT DESCRIPTION VENDOR	HAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRG	QRN1 QRN2 QRN3

HVN CHILLED WATER - VENTILATION				
1HVN*V545	6" CHECK VALVE VELAN	228.211	MAX ENV.	
1HVN*V546	6" CHECK VALVE VELAN	228.211	MAX.ENV.	
1HVN*V547	6" CHECK VALVE VELAN	228.211	MAX.ENV.	
HVP VENTILATION - DIESEL GENERATOR BUILDING				
1HVP*AO0-HE	OPPOSED BLADE AIR OPR DAMPER QUALITY AIR DESIGN	215.480	MAX.ENV.	
HVR VENTILATION - REACTOR PLANT				
1HVR*AO0-HE	OPPOSED BLADE AIR OPR DAMPER QUALITY AIR DESIGN	215.480	MAX.ENV.	
1HVR*AOV123	36" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC	228.241	CT-G	
1HVR*AOV125	24" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC	228.241	CT-G	
1HVR*AOV126	24" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC	228.241	CT-G	
1HVR*AOV128	36" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC	228.241	AB-141-4	

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                     REMARKS             QRN3
*****
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MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1
HVR VENTILATION - REACTOR PLANT				
1HVR*AOV147	24" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC 228.241		CT-G	
1HVR*AOV148	24" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC 228.241		CT-G	
1HVR*AOV165	36" FLG VLV & MATRYX ACTUATOR POSI SEAL INT INC 228.241		AB-141-3	
1HVR*AOV166	36" FIG VLV & MATRYX ACTUATOR POSI SEAL INT INC 228.241		AB-141-3	
1HVR*DMP101	BUBBLE-TIGHT ISOLATION DAMPER QUALITY AIR DESIGN 215.480		AB-114-2	
1HVR*DMP102	BUBBLE-TIGHT ISOLATION DAMPER QUALITY AIR DESIGN 215.480		AB-114-2	
1HVR*DMP103	MANUAL BACKDRAFT DAMPER QUALITY AIR DESIGN 215.480		AB-170-1	
1HVR*DMP14	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN 215.480		CT-G	
1HVR*DMP15	PRESJURE RELIEF DAMPER QUALITY AIR DESIGN 215.480		CT-G	
1HVR*DMP2	MANUAL BACKDRAFT DAMPER QUALITY AIR DESIGN 215.480		CT-G	

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*****  
MARK NO      EQUIPMENT DESCRIPTION      MAKE/HANUFACTURER      ENV. ZONE      QRN1  
              VENDOR                      MODEL/CATALOG NO.      SUBMRG          QRN2  
              SPEC.NO                      REMARKS                 QRN3  
*****
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HVR VENTILATION - REACTOR PLANT

1HVR*DMP3	MANUAL BACKDRAFT DAMPER QUALITY AIR DESIGN 215.480		CT-G	
1HVR*DMP80	MANUAL BACKDRAFT DAMPER QUALITY AIR DESIGN 215.480		AB-170-2	
1HVR*DMP84	MANUAL BACKDRAFT DAMPER QUALITY AIR DESIGN 215.480		AB-114-3	
1HVR*DMP85	TORNADO DAMPER QUALITY AIR DESIGN 215.480		AB-170-G	
1HVR*DMP86	TORNADO DAMPER QUALITY AIR DESIGN 215.480		AB-170-G	
1HVR*DMP87	TORNADO DAMPER QUALITY AIR DESIGN 215.480		AB-170-G	
1HVR*DMP9	MANUAL BALANCING DAMPER QUALITY AIR DESIGN 215.480		AN-2	
1HVR*DMP99	BUBBLE-TIGHT ISOLATION DAMPER QUALITY AIR DESIGN 215.480		AB-114-2	
1HVR*FN11A	ANNULUS MIXING FAN BUFFALO FORGE CO 215.400		AB-170-1	
1HVR*FN11B	ANNULUS MIXING FAN BUFFALO FORGE CO 215.400		AB-170-1	

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              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                     REMARKS            QRN3
*****
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HVR VENTILATION - REACTOR PLANT

1HVR*UC1A	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	CT-G	
1HVR*UC1B	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	CT-G	
1HVR*UC1C	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	CT-G	
1HVR*UC10	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-114-3	
1HVR*UC11A	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-141-4	
1HVR*UC11B	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-141-4	
1HVR*UC3	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-95-8	
1HVR*UC4	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-95-7	
1HVR*UC5	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-114-5	
1HVR*UC6	AEROFIN UNIT COOLERS BUFFALO FORGE	215.252	AB-114-8	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE      QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG        QRN2
              SPEC.NO                     REMARKS          QRN3
*****
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HVR VENTILATION - REACTOR PLANT

```
1HVR*UC7      AEROFIN UNIT COOLERS      AB-114-1
              BUFFALO FORGE
              215.252

1HVR*UC8      AEROFIN UNIT COOLERS      AB-114-5
              BUFFALO FORGE
              215.252

1HVR*UC9      AEROFIN UNIT COOLERS      AB-114-8
              BUFFALO FORGE
              215.252
```

IAS INSTRUMENT AIR

```
1IAS*MOV106   3" GATE VALVE             AB-114-6
              VELAN
              228.212

1IAS*MOV107   3" GATE VALVE             AB-114-6
              VELAN
              228.212

1IAS*RV42A    RELIEF VALVE              AB-141-6
              CROSBY
              247.521

1IAS*RV42B    RELIEF VALVE              AB-141-5
              CROSBY
              247.521

1IAS*RV46A    RELIEF VALVE              FB-148-G
              CROSBY
              247.521

1IAS*RV46B    RELIEF VALVE              FB-148-G
              CROSBY
              247.521
```

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*****  
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              VENDOR              MODEL/CATALOG NO.      SUBMRG         QRN2  
              SPEC.NO              REMARKS                QRN3  
*****
```

IAS INSTRUMENT AIR

1IAS*SOV41A	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP. 247.501		AB-141-1	
1IAS*SOV41B	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP. 247.501		AB-141-1	
1IAS*SOV45A	SOLENOID VALVE TARGET ROCK CORP. 247.501		FB-148-1	
1IAS*SOV45B	SOLENOID VALVE TARGET ROCK CORP. 247.501		FB-148-1	
1IAS*V514	2" CHECK VALVE VELAN 228.213		MAX. ENV.	
1IAS*V515	2" CHECK VALVE VELAN 228.213		MAX. ENV.	
1IAS*V562	2" CHECK VALVE VELAN 228.213		MAX. ENV.	
1IAS*V563	2" CHECK VALVE VELAN 228.213		MAX. ENV.	
1IAS*V608	2" CHECK VALVE VELAN 228.213		MAX. ENV.	
1IAS*V609	2" CHECK VALVE VELAN 228.213		MAX. ENV.	

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*****  
MARK NO          EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER   ENV. ZONE           QRN1  
                  VENDOR                          MODEL/CATALOG NO.   SUBMRG             QRN2  
                  SPEC.NO                             REMARKS              QRN3  
*****
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IAS INSTRUMENT AIR

IIAS*V78	3" CHECK VALVE VELAN		MAX. ENV.
		228.211	
IIAS*V80	3" CHECK VALVE VELAN		MAX. ENV.
		228.211	

ICS REACTOR CORE ISOLATION COOLING

ICS*V21	2" CHECK VALVE VELAN		MAX. ENV.
		228.213	

JRB SUPERSTRUCTURE - REACTOR BUILDING

IJB*DMP1	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.480	
IJB*DMP2	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.460	
IJB*DMP3	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.480	
IJB*DMP4	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.480	
IJB*DMP5	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.480	
IJB*DMP6	PRESSURE RELIEF DAMPER QUALITY AIR DESIGN		AB-114-7
		215.480	

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              VENDOR              MODEL/CATALOG NO.      SUBMRG         QRN2  
              SPEC.NO              REMARKS              QRN3  
*****
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LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV#C3A	AIR COMPRESSOR TENNESSEE VALLEY AU		AB-141-1
		221.512	
1LSV#C3B	AIR COMPRESSOR TENNESSEE VALLEY AU		AB-141-2
		221.512	
1LSV#MOV11A	1" GLOBE VALVE VELAN		AB-141-2
		228.214	
1LSV#MOV11B	1" GLOBE VALVE VELAN		AB-141-2
		228.214	
1LSV#MOV13A	1" GLOBE VALVE VELAN		AB-141-2
		228.214	
1LSV#MOV13B	1" GLOBE VALVE VELAN		AB-141-2
		228.214	
1LSV#MOV15A	1" GLOBE VALVE VELAN		AB-095-10
		228.214	
1LSV#MOV15B	1" GLOBE VALVE VELAN		AB-141-2
		228.214	
1LSV#MOV16A	1" GLOBE VALVE VELAN		AB-095-10
		228.214	
1LSV#MOV16B	1" GLOBE VALVE VELAN		AB-095-10
		228.214	

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*****
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                  VENDOR                        MODEL/CATALOG NO.   SUBMRG               QRN2
                               SPEC.NO          REMARKS              QRN3
*****
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LSV LEAKAGE CONTROL - PENETRATION VALVE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1
	VENDOR	MODEL/CATALOG NO.	SUBMRG	QRN2
	SPEC.NO	REMARKS		QRN3
1LSV*MOV19A	2" GLOBE VALVE VELAN		AB-141-2	
	228.214			
1LSV*MOV19B	2" GLOBE VALVE VELAN		AB-141-2	
	228.214			
1LSV*PV10A	CONTROL VALVE FOR MOD. SERVICE COPE'S VULCAN/BHARNER		AB-141-2	
	247.497			
1LSV*PV10B	CONTROL VALVE FOR MOD. SERVICE COPE'S VULCAN/BHARNER		AB-141-3	
	247.497			
1LSV*RV8A	RELIEF VALVE CROSBY		AB-141-2	
	247.521			
1LSV*RV8B	RELIEF VALVE CROSBY		AB-141-3	
	247.521			
1LSV*SOVX26A	SOLENOID VALVE TARGET ROCK CORP.		AR-141-2	
	247.501			
1LSV*SOVX26B	SOLENOID VALVE TARGET ROCK CORP.		AR-141-2	
	247.501			
1LSV*SOVY26A	SOLENOID VALVE TARGET ROCK CORP.		AB-141-2	
	247.501			
1LSV*SOVY26B	SOLENOID VALVE TARGET ROCK CORP.		AB-141-2	
	247.501			

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 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

LSV LEAKAGE CONTROL - PENETRATION VALVE

1LSV*V112	.75" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V114	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V118	.75" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V12	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V120	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V18	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V20	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V22	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V24	1" CHECK VALVE VELAN	220.213	MAX. ENV.	
1LSV*V26	1" CHECK VALVE VELAN	220.213	MAX. ENV.	

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*****
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              VENDOR                    MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                    REMARKS              QRN3
*****
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LSV LEAKAGE CONTROL - PENETRATION VALVE

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
1LSV*V28	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V30	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V32	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V35	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V36	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V42	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V46	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V48	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V50	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1LSV*V52	1" CHECK VALVE VELAN		MAX. ENV.
	228.213		

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1	
	VENDOR	MODEL/CATALOG NO.	SUBHRG	QRN2	
	SPEC. NO	REMARKS		QRN3	

LSV LEAKAGE CONTROL - PENETRATION VALVE					
1LSV*V54	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V56	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V58	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V60	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V62	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V72	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V76	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V82	2" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V90	1" CHECK VALVE VELAN		MAX. ENV.		
		228.213			
1LSV*V98	2" CHECK VALVE VELAN		MAX. ENV.		
		228.213			

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```
*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                     REMARKS             QRN3
*****
```

```
MS*
1MS=DHPF-ME    FIRE DAMPER          VARIOUS
               QUALITY AIR DESIGN  215.480
```

RCS REACTOR COOLANT

```
1RCS#HOV58A    1" GLOBE VALVE      CT-G
               VELAN               228.216

1RCS#HOV58B    1" GLOBE VALVE      CT-G
               VELAN               228.216

1RCS#HOV59A    1" GLOBE VALVE      CT-G
               VELAN               228.216

1RCS#HOV59B    1" GLOBE VALVE      CT-G
               VELAN               228.216

1RCS#HOV60A    1/2" GLOBE VALVE    CT-G
               VELAN               228.216

1RCS#HOV60B    1/2" GLOBE VALVE    CT-G
               VELAN               228.216

1RCS#HOV61A    3/4" GLOBE VALVE    CT-G
               VELAN               228.216

1RCS#HOV61B    3/4" GLOBE VALVE    CT-G
               VELAN               228.216
```

MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC.NO REMARKS QRN3

RHS RESIDUAL HEAT REMOVAL SYSTEM

1RHS*RV3A	RELIEF VALVE CROSBY			AB-141-3
		247.521		
1RHS*RV3B	RELIEF VALVE CROSBY			AB-114-3
		247.521		
1RHS*V240	1" CHECK VALVE VELAN			MAX. ENV.
		220.217		
1RHS*V34	14" CHECK VALVE VELAN			MAX. ENV.
		220.211		
1RHS*V64	14" CHECK VALVE VELAN			MAX. ENV.
		220.211		
1RHS*V65	14" CHECK VALVE VELAN			MAX. ENV.
		220.211		

SAS SERVICE AIR

1SAS*HOV102	4" GATE VALVE VELAN			AB-114-6
		220.212		
1SAS*HOV103	4" GATE VALVE VELAN			AB-114-6
		220.212		
1SAS*V486	4" CHECK VALVE VELAN			MAX. ENV.
		220.211		

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```
*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC.NO                    REMARKS            QRN3
*****
```

SAS SERVICE AIR

```
1SAS*V987    4" CHECK VALVE          MAX. ENV.
              VELAN
              220.211
```

SFC SPENT FUEL POOL COOLING AND CLEAN-UP

```
1SFC*HOV119  12" GATE VALVE          FB-113-G
              VELAN
              220.216
```

```
1SFC*HOV120  12" GATE VALVE          AN-3
              VELAN
              220.216
```

```
1SFC*HOV121  8" GATE VALVE           FB-113-G
              VELAN
              220.216
```

```
1SFC*HOV122  12" GATE VALVE          FB-113-G
              VELAN
              220.216
```

```
1SFC*HOV139  8" GATE VALVE           AN-3
              VELAN
              220.216
```

```
1SFC*PIA     FUEL POOL COOLING PUMP  FB-070-1
              GOULDS PUMPS
              223.311
```

```
1SFC*PIB     FUEL POOL COOLING PUMP  FB-070-1
              GOULDS PUMPS
              223.311
```

```
1SFC*V101    12" CHECK VALVE        MAX. ENV.
              VELAN
              220.215
```



```

*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER    ENV. ZONE      QRN1
              VENDOR                      MODEL/CATALOG NO.    SUBMRS        QRN2
              SPEC.NO                     REMARKS              QRN3
*****
  
```

SFC SPENT FUEL POOL COOLING AND CLEAN-UP

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
1SFCwV105	6" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV350	.75" CHECK VALVE VELAN		MAX. ENV.
	220.217		
1SFCwV351	.75" CHECK VALVE VELAN		MAX. ENV.
	220.217		
1SFCwV39	12" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV40	12" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV41	12" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV59	10" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV60	10" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV61	10" CHECK VALVE VELAN		MAX. ENV.
	220.215		
1SFCwV62	10" CHECK VALVE VELAN		MAX. ENV.
	220.215		

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```
*****  
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER      ENV. ZONE      QRN1  
              VENDOR              MODEL/CATALOG NO.      SUBMRG          QRN2  
              SPEC.NO              REMARKS                  QRN3  
*****
```

SSR REACTOR PLANT SAMPLING SYSTEM

1SSR*SOV130	SOLENOID VALVE TARGET ROCK CORP.	247.501		CT-G	
1SSR*SOV131	SOLENOID VALVE TARGET ROCK CORP.	247.501		AB-141-4	
1SSR*SOV133	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.	247.501		AB-114-6	
1SSR*SOV134	SOLENOID VALVE TARGET ROCK CORP.	247.501		AB-114-6	
1SSR*SOV139	SOLENOID VALVE TARGET ROCK CORP.	247.501		AB-95-8	
1SSR*SOV140	SOL & PRESSURE CONTROL VALVE TARGET ROCK CORP.	247.501		AB-114-6	
1SSR*V705	1" CHECK VALVE VELAN	228.213		MAX. ENV.	
1SSR*V706	1" CHECK VALVE VELAN	228.217		MAX. ENV.	
SSV			*		
1SSV*SOV20A	SOLENOID VALVE TARGET ROCK CORP.	247.501		AB-141-2	


```

*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  ENV. ZONE          QRN1
              VENDOR                      MODEL/CATALOG NO.  SUBMRG            QRN2
              SPEC. NO                     REMARKS                                QRN3
*****
    
```

SVV STEAM VENTS - SAFETY VALVES

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
1SVVwV123	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1SVVwV128	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1SVVwV129	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1SVVwV130	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.213		
1SVVwV31	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.217		
1SVVwV9	1.5" CHECK VALVE VELAN		MAX. ENV.
	228.217		

SHP SERVICE WATER

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE
1SHPwAOV51A	DAPH ACTUATED CONTROL VALVE FISHER		AB-141-3
	247.491		
1SHPwAOV51B	DAPH ACTUATED CONTROL VALVE FISHER		AB-141-3
	247.491		
1SHPwMOV171	8" WAFER SPHERE VALVE JAMESBURY CORP.		PT-3
	228.243		

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 MARK NO EQUIPMENT DESCRIPTION MAKE/MANUFACTURER ENV. ZONE QRN1
 VENDOR MODEL/CATALOG NO. SUBMRG QRN2
 SPEC. NO REMARKS QRN3

SHP SERVICE WATER

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	ENV. ZONE	QRN1
15HP#HOV172	8" WAFER SPHERE VALVE JAMESBURY CORP. 228.243		PT-3	
15HP#HOV173	8" WAFER SPHERE VALVE JAMESBURY CORP. 228.243		PT-3	
15HP#HOV174	8" WAFER SPHERE VALVE JAMESBURY CORP. 228.243		PT-3	
15HP#HOV4A	10" GATE VALVE VELAN 228.212		CT-6	
15HP#HOV4B	10" GATE VALVE VELAN 228.212		CT-6	
15HP#HOV5A	10" GATE VALVE VELAN 228.212		CT-6	
15HP#HOV5B	10" GATE VALVE VELAN 228.212		CT-6	
15HP#HOV501A	18" WAFER SPHERE VALVE JAMESBURY CORP. 228.243		PT-2	
15HP#HOV501B	18" WAFER SPHERE VALVE JAMESBURY CORP. 228.243		PT-2	
15HP#HOV502A	4" GATE VALVE VELAN 228.212		CT-6	

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*****
MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER  EK/, ZONE      QRN1
              VENDOR                    MODEL/CATALOG NO. SUBMRG          QRN2
              SPEC.NO                 REMARKS          QRN3
*****
```

SHP SERVICE WATER

MARK NO	EQUIPMENT DESCRIPTION	MAKE/MANUFACTURER	EK/, ZONE	QRN1
1SHP#HOV502B	4" GATE VALVE VELAN		CT-6	
	228.212			
1SHP#HOV503A	6" GATE VALVE VELAN		CT-6	
	228.212			
1SHP#HOV503B	6" GATE VALVE VELAN		CT-6	
	228.212			
1SHP#HOV504A	12" GATE VALVE VELAN		AB-070-8	
	228.212			
1SHP#HOV504B	12" GATE VALVE VELAN		AB-070-7	
	228.212			
1SHP#HOV506A	8" WAFER SPHERE VALVE JAMESBURY CORP.		PT-4	
	228.243			
1SHP#HOV506B	8" WAFER SPHERE VALVE JAMESBURY CORP.		PT-4	
	228.243			
1SHP#HOV507A	12" GATE VALVE VELAN		AB-114-6	
	228.212			
1SHP#HOV507B	12" GATE VALVE VELAN		AB-141-3	
	228.212			
1SHP#HOV510A	12" GATE VALVE VELAN		AB-070-8	
	228.212			


```
*****
MARK NO          EQUIPMENT DESCRIPTION          MAKE/MANUFACTURER   ENV. ZONE           QRN1
                  VENDOR                          MODEL/CATALOG NO.   SUBMRG             QRN2
                  SPEC.NO                        REMARKS              QRN3
*****
```

SHP SERVICE VALVE

MARK NO	EQUIPMENT DESCRIPTION VENDOR	SPEC.NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBMRG	QRN1 QRN2 QRN3
15HP#HOV510B	12" GATE VALVE VELAN	228.212		AB-070-7	
15HP#HOV511A	18" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-2	
15HP#HOV511B	18" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-2	
15HP#HOV55A	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-1	
15HP#HOV55B	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-1	
15HP#HOV57A	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-3	
15HP#HOV57B	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-3	
15HP#HOV61A	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-1	
15HP#HOV61B	30" WAFFER SPHERE VALVE JAMESBURY CORP.	228.243		PT-1	
15HP#HOV73A	4" GATE VALVE VELAN	228.212		AB-114-5	

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUSNRG	SPEC. NO	REMARKS
15HP#MOV73B	4" GATE VALVE VELAN		AB-114-5	228.212	
15HP#MOV79A	4" GATE VALVE VELAN		AB-114-5	228.212	
15HP#MOV79B	4" GATE VALVE VELAN		AB-114-5	228.212	
15HP#MOV77A	8" WATER SPHERE VALVE JAMESBURY CORP.		PT-4	228.243	
15HP#MOV77B	8" WATER SPHERE VALVE JAMESBURY CORP.		PT-4	228.243	
15HP#MOV61A	12" GATE VALVE VELAN		AB-114-6	228.212	
15HP#MOV61B	12" GATE VALVE VELAN		AB-114-3	228.212	
15HP#MOV96A	30" RAFFER SPHERE VALVE JAMESBURY CORP.		PT-3	228.243	
15HP#MOV96B	30" RAFFER SPHERE VALVE JAMESBURY CORP.		PT-3	228.243	
15HP#V1080	2" CHECK VALVE VELAN		MAX. ENV.	228.213	

GRN1
GRN2
GRN3

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBMRG	SPEC. NO	REMARKS	QRN1	QRN2	QRN3

SHP SERVICE WATER								
15WP*V1081	2" CHECK VALVE VELAN			228.213	MAX. ENV.			
15WP*V1086	.75" CHECK VALVE VELAN			228.213	MAX. ENV.			
15WP*V1087	.75" CHECK VALVE VELAN			228.213	MAX. ENV.			
15WP*V1135	8" CHECK VALVE VELAN			228.211	MAX. ENV.			
15WP*V1136	8" CHECK VALVE VELAN			228.211	MAX. ENV.			
15WP*V1143	8" CHECK VALVE VELAN			228.211	MAX. ENV.			
15WP*V1144	8" CHECK VALVE VELAN			228.211	MAX. ENV.			
15WP*V1147	18" CHECK VALVE TRN MISSION			228.229	MAX. ENV.			
15WP*V1148	18" CHECK VALVE TRN MISSION			228.229	MAX. ENV.			
15WP*V1149	18" CHECK VALVE TRN MISSION			228.229	MAX. ENV.			

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MARK NO EQUIPMENT DESCRIPTION VENDOR MAKE/MANUFACTURER ENV. ZONE SUBMRG SPEC. NO REMARKS

QRN1
QRNC
QRN3

SNP	SERVICE WATER	MARK NO	EQUIPMENT DESCRIPTION	VENDOR	MAKE/MANUFACTURER	ENV. ZONE	SUBMRG	SPEC. NO	REMARKS
1SNP*	16" CHECK VALVE	V150	TRN MISSION			MAX. ENV.		228.229	
1SNP*	6" CHECK VALVE	V153	VELAN			MAX. ENV.		228.211	
1SNP*	6" CHECK VALVE	V154	VELAN			MAX. ENV.		228.211	
1SNP*	6" CHECK VALVE	V155	VELAN			MAX. ENV.		228.211	
1SNP*	6" CHECK VALVE	V156	VELAN			MAX. ENV.		228.211	
1SNP*	30" CHECK VALVE	V172	TRN MISSION			MAX. ENV.		228.229	
1SNP*	30" CHECK VALVE	V173	TRN MISSION			MAX. ENV.		228.229	
1SNP*	12" CHECK VALVE	V174	VELAN			MAX. ENV.		228.211	
1SNP*	12" CHECK VALVE	V175	VELAN			MAX. ENV.		228.211	
1SNP*	18" CHECK VALVE	V199	TRN MISSION			MAX. ENV.		228.229	

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBRNG	SPEC. NO	REMARKS	QRN1	QRN2	QRN3
15HP*V200	16" CHECK VALVE TRW MISSION			228.229				
15HP*V201	6" CHECK VALVE VELAN			228.211				
15HP*V202	6" CHECK VALVE VELAN			228.211				
15HP*V203	6" CHECK VALVE VELAN			228.211				
15HP*V204	6" CHECK VALVE VELAN			228.211				
15HP*V326	30" CHECK VALVE TRW MISSION			228.229				
15HP*V327	30" CHECK VALVE TRW MISSION			228.229				
15HP*V437	4" CHECK VALVE VELAN			228.211				
15HP*V516	4" CHECK VALVE VELAN			228.211				
15HP*V650	10" CHECK VALVE VELAN			228.211				

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MARK NO	EQUIPMENT DESC.	PTION	VEICOR	MAKE/MANUFACTURER	ENV. ZONE	MODEL/CATALOG NO.	SUBMRG	SPEC. NO	REMARKS	QRN1	QRN2	QRN3
15MP*V651	10" CHECK VALVE							228.211		MAX. ENV.		
15MP*V77	6" CHECK VALVE							228.211		MAX. ENV.		
15MP*V78	6" CHECK VALVE							228.211		MAX. ENV.		
15MP*V79	6" CHECK VALVE							228.211		MAX. ENV.		
15MP*V80	6" CHECK VALVE							228.211		MAX. ENV.		
15MP*V964	3" CHECK VALVE							228.211		MAX. ENV.		
15MP*V965	3" CHECK VALVE							228.211		MAX. ENV.		
15MP*V966	3" CHECK VALVE							228.211		MAX. ENV.		
15MP*V967	3" CHECK VALVE							228.211		MAX. ENV.		
15MP*V972	3" CHECK VALVE							228.211		MAX. ENV.		

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MARK NO	EQUIPMENT DESCRIPTION VENDOR	MAKE/MANUFACTURER MODEL/CATALOG NO.	ENV. ZONE SUBMRG	SPEC. NO	REMARKS
SHP SERVICE WATER					
1SNC#W973	3" CHECK VALVE VELAN		MAX. ENV.	229.211	
MCS REACTOR WATER CLEAN-UP					
1MCS#HCV111	4" GATE VALVE VELAN		AB-114-2	229.212	
1MCS#HCV172	2-1/2" GATE VALVE VELAN		AB-114-2	229.212	
1MCS#HCV173	2-1/2" GATE VALVE VELAN		AB-114-2	229.212	
1MCS#HCV179	2-1/2" GATE VALVE VELAN		CT-7	229.212	
1MCS#RV199	RELIEF VALVE CROSSBY		CT-7	247.521	

GRN1
GRN2
GRN3

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 SORTED BY MGRN NO

MGRN NO	EQUIPMENT DESCRIPTION	NAME/MANUFACTURER	ENV. ZONE	OP TIME
PANEL/RACK	PPD.NO	MODEL/CATALOG NO.	SUBVRS	
REMARKS				

B21 NUCLEAR BOILER SYSTEM				
18C1*ADVFO22A B21-F022A	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	DN-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22B B21-F022B	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	DN-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22C B21-F022C	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	DN-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22D B21-F022D	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	DN-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22A B21-F022A	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	AB-114-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22B B21-F022B	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	AB-114-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22C B21-F022C	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	AB-114-2	300
FLEXITALLIC GASKETS ONLY				
18C1*ADVFO22D B21-F022D	MAIN STEAM ISOL VLV	ATHOOD & MORRILL 229X230-003	AB-114-2	300
FLEXITALLIC GASKETS ONLY				
18C1*RVFO21A B21-F021A	MAIN STEAM SRV	CROSSBY MB-65-DF	DN-1	1000
FLEXITALLIC GASKETS ONLY				
18C1*RVFO21B B21-F021B	MAIN STEAM SRV	CROSSBY MB-65-DF	DN-1	1000
FLEXITALLIC GASKETS ONLY				

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MARK NO	EQUIPMENT DESCRIPTION	PPD.NO	REMARKS	MODEL/CATALOG NO.	ENV. ZONE	SUBHRG	OP TIME

B21	NUCLEAR BOILER SYSTEM						
1B21*RVF041C	MAIN STEAM SRV						100D
B21-F041C				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF041D	MAIN STEAM SRV						100D
B21-F041D				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF041F	MAIN STEAM SRV						100D
B21-F041F				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF041G	MAIN STEAM SRV						100D
B21-F041G				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF041L	MAIN STEAM SRV						100D
B21-F041L				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF047A	MAIN STEAM SRV						100D
B21-F047A				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF047B	MAIN STEAM SRV						100D
B21-F047B				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF047C	MAIN STEAM SRV						100D
B21-F047C				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF047D	MAIN STEAM SREV						100D
B21-F047D				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			
1B21*RVF047F	MAIN STEAM SRV						100D
B21-F047F				CROSSBY	DH-1		
				HB-65-DF			
				FLEXITALLIC GASKETS ONLY			

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MARK NO	EQUIPMENT DESCRIPTION PANEL/RACK	PPD.NO	MAKE/MANUFACTURER MODEL/CATALOG NO. REMARKS	ENV. ZONE SUBHRG	OP TIME

B21 NUCLEAR BOILER SYSTEM					
1B21*RVF051B B21-F051B	MAIN STEAM SRV		CROSBY HB-65-DF FLEXITALLIC GASKETS ONLY	DH-1	1000
1B21*RVF051C B21-F051C	MAIN STEAM SRV		CROSBY HB-65-DF FLEXITALLIC GASKETS ONLY	DH-1	1000
1B21*RVF051D B21-F051D	MAIN STEAM SRV		CROSBY HB-65-DF FLEXITALLIC GASKETS ONLY	DH-1	1000
1B21*RVF051G B21-F051G	MAIN STEAM SRV		CROSBY HB-65-DF FLEXITALLIC GASKETS ONLY	DH-1	1000
C11 CONTROL ROD DRIVE HYDRAULIC CONTROL SYSTEM					
1C11*ACT0001 C11-D001	IN/EXH SCRAM VLV			CT-3	10 MIN
1C11*AOVF010 C11-F010	SDV VENT VALVE		FISHER CONTROLS 667-ES	CT-G	10 MIN
1C11*AOVF011 C11-F011	SDV DRAIN VALVE		FISHER CONTROLS 667-ES	CT-G	10 MIN
1C11*AOVF100 C11-F100	SDV VENT VALVE		ITT HAMMEL DAHL	CT-G	10 MIN
1C11*AOVF101 C11-F101	SDV DRAIN VALVE		ITT HAMMEL DAHL	CT-G	10 MIN
C41 STANDBY LIQUID CONTROL SYSTEM					
1C41*PC001A C41-C001A	SLC PUMP A		UNION	CT-4	6 HRS

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C41 STANDBY LIQUID CONTROL SYSTEM					
1C41*PC001B C41-C001B	SLC PUMP B		UNION	CT-4	6 HRS
E12 RESIDUAL HEAT REMOVAL					
1E12*PC002A E12-C002A	RHR PUMP A		BYRON JACKSON	AB-70-4	100D
1E12*PC002B E12-C002B	RHR PUMP B		BYRON JACKSON	AB-70-4	100D
1E12*PC002C E12-C002C	RHR PUMP C		BYRON JACKSON	AB-70-4	100D
E21 CORE SPRAY - LOW PRESSURE					
1E21*PC001 E21-C001	LPCS PUMP		BYRON JACKSON	AB-70-1	100D
E22 CORE SPRAY - HIGH PRESSURE					
E22-F001	MOV		ANCHOR DARLING	AB-70-6	100D
E22-F004	MOV		PACKING AND GASKET ONLY ANCHOR DARLING	AB-114-5	100D
E22-F010	MOV		PACKING AND GASKET ONLY ANCHOR DARLING	AB-70-6	1 HR
E22-F011	MOV		PACKING AND GASKET ONLY ANCHOR DARLING	AB-70-6	1 HR
E22-F012	MOV		PACKING AND GASKET ONLY ANCHOR DARLING	AB-70-7	100D
E22-F023	MOV		PACKING AND GASKET ONLY ANCHOR DARLING	AB-70-7	100D
			PACKING AND GASKET ONLY		

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MARK NO      EQUIPMENT DESCRIPTION      MAKE/MANUFACTURER      ENV. ZONE      OP TIME
              PANEL/RACK          PPD.NO          MODEL/CATALOG NO.      SUBHRG
              REMARKS
*****

E22 CORE SPRAY - HIGH PRESSURE

1E22*PC001    HPCS PUMP                BYRON JACKSON          AB-70-8        1000
  E22-C001

E51 REACTOR CORE ISOLATION COOLING SYSTEM

1E51*PC001    RCIC PUMP                BINGHAM                AB-70-3        12 HRS
  E51-C001

1E51*PC002    RCIC TURBINE             TERRY CORP.            AB-70-3        12 HRS
  E51-C002
  GS2N
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