

PRESERVICE/INSERVICE TESTING PROGRAM
PUMP AND VALVES
REV. 0 DATED 9/10/84

Attached is our initial Preservice Testing (PST) program for Hope Creek Generating Station.

Hope Creek Generating Station has been designed to accommodate the pump and valve testing requirements of ASME Section XI, Articles IWP and IWV. A review of current design documents has indicated that all testing requirements of articles IWP and IWV can be met.

Procedures for the PST program are currently being developed and subsequent field testing will be performed during the startup phase of systems and components; at this time baseline data will be established. In the event it becomes apparent relief request(s) are necessary these requests will be submitted to the NRC.

The Inservice Testing (IST) Program will be developed from the PST program taking into account any changes required to conform to Technical Specifications. The IST Program will be submitted to the NRC 6 months prior to fuel load. This Program will include any requests for relief from testing requirements of ASME Section XI.

PUMP TESTING TABLE

RHR Pump A
RHR Pump B
RHR Pump C
RHR Pump D

Core Spray Pump A
Core Spray Pump B
Core Spray Pump C
Core Spray Pump D

ECCS Jockey Pump (HPCI)
ECCS Jockey Pump (RCIC)
ECCS Jockey Pump (RHR A)
ECCS Jockey Pump (RHR B)

Standby Liquid Control Pump A
Standby Liquid Control Pump B

Service Water Pump A
Service Water Pump B
Service Water Pump C
Service Water Pump D

Reactor Core Isolation Cooling Pump

High Pressure Coolant Injection Pumps (2)

Chilled Water Pump A
Chilled Water Pump B
Chilled Water Pump C
Chilled Water Pump D

Diesel Fuel Oil Transfer Pump A
Diesel Fuel Oil Transfer Pump B
Diesel Fuel Oil Transfer Pump C
Diesel Fuel Oil Transfer Pump D
Diesel Fuel Oil Transfer Pump E
Diesel Fuel Oil Transfer Pump F
Diesel Fuel Oil Transfer Pump G
Diesel Fuel Oil Transfer Pump H

Safety Auxiliary Cooling Pump A
Safety Auxiliary Cooling Pump B
Safety Auxiliary Cooling Pump C
Safety Auxiliary Cooling Pump D

Service Water Screen Spray Pump A
Service Water Screen Spray Pump B
Service Water Screen Spray Pump C
Service Water Screen Spray Pump D

VALVE TESTING TABLE

TABLE HEADING KEY

VALVE I.D. - WHERE VALVE I.D.'S ARE ASSIGNED.

NOTE: INSTRUMENTS; PRESSURE SAFETY RELIEF (PSV - FOR PRESSURE & VACUUM RELIEF) ARE LISTED AS INSTRUMENT VALVES WITH NO VALVE I.D.

TYPE VALVE

BF BUTTERFLY

BL BALL

CK CHECK

GB GLOBE

GCK GLOBE STOP CHECK

GT GATE

PR PRESSURE SAFETY RELIEF (PSV)

RCK RESILIENT DISC CHECK

RD RUPTURE DISC

TCK TESTABLE CHECK

(MANUAL OR AIR)

VR VACUUM BREAKER (PSV)

XV EXCESS FLOW CHECK

VALVE OPERATORS

AO AIR OPERATOR

HO HYDRAULIC OPERATOR

MAN MANUAL ACTUATION

SOL SOLENOID OPERATION

XP EXPLOSIVE ACTUATOR

OPERATOR NUMBER

ALL OPERATORS ARE IDENTIFIED BY THE INSTRUMENT I.D. NUMBER.

TESTING REQUIRED KEY

SECTION XI, ASME CODE CATEGORIES A, B, C, & D VALVES,

A SEAT LEAK RATE TESTING PER SECTION XI, ART. IV,

B₁ VALVE REQUIRES EXERCISING -

B₂ VALVE IS INACCESSIBLE DURING OPERATIONS
AND REQUIRES LOCAL STROKE VERIFICATION.

B₃ VALVE FAILS OPEN OR CLOSED. FAIL POSITION
TO BE VERIFIED.

B₄ VALVE IS POWER ACTUATED ~~AND~~ ^{OR} HAS A CLOSING
TIME LIMIT PER PSAR OR TECH. SPECS. TIME
STROKE VERIFICATION IS REQUIRED.

C₁ CHECK VALVE FUNCTIONAL TEST REQUIRED

C₂ CHECK VALVE REVERSE FLOW TEST REQUIRED

C₃ PRESSURE & VACUUM RELIEF VALVE LIFT
SET TEST REQUIRED.

D₁ RUPTURE DISC. - NO TEST REQUIRED, NONE OF
TESTABLE DESIGN. EXEMPT IAW SECTION XI

D₂ EXPLOSIVE ACTUATOR CHARGE TESTING REQUIRED.

FSAR - EXCESS FLOW CHECK VALVE FUNCTIONAL
TEST PER FSAR 6.2.4.4, & NOTE 1 OF FSAR
TABLE 6.2.2A.

| | |
|---------------------------------------|------|
| KB- INSTRUMENT CONTROL AIR | M-15 |
| KC- FIRE PROTECTION | M-22 |
| KG- BREATHING AIR | M-15 |
| KH- SERVICE GASES | M-57 |
| KJ- DIESEL GENERATOR, LUBE OIL MAKEUP | M-30 |
| KL- CONTAINMENT INSTRUMENT GAS | M-59 |
| KP- MAIN STEAM SEATING SYSTEM | M-72 |
| RC- POST ACCIDENT SAMPLING | M-38 |
| SE- NEUTRON MONITORING (TIPS) | M-59 |
| SK- PLANT LEAK DETECTION | M-25 |

SYSTEMS

DRAWING P&ID

| | |
|---|------------------|
| AB- MAIN STEAM & DRAINS | M-41 |
| AE- FEED WATER | M-41 & M-49 |
| AP- CONDENSATE | M-08 |
| BB- REACTOR RECIRCULATION | M-41, M-42, M-43 |
| BC- RESIDUAL HEAT REMOVAL (RHR) (LPCI) | M-51, M-52, M-58 |
| BD- Rx. Core Isolation Pooling (RCIC) | M-49, M-50 |
| BE- CORE SPRAY | M-52 |
| BF- CONTROL ROD DRIVE (CRD) | M-43, M-46, M-47 |
| BG- Rx. WATER CLEANUP (RWCU) | M-49 |
| BH- STANDBY LIQUID CONTROL (SBLC) | M-48 |
| BJ- HIGH PRESSURE COOLANT INJECTION (HPCI) | M-55, M-56 |
| BN- DEMINERALIZED WATER | M-08 |
| EA- SERVICE WATER | M-10 |
| ED- REACTOR AUXILIARIES COOLING (RACS) | M-13 |
| EE- TORUS WATER CLEANUP | M-53 |
| EG- SAFETY (TURBINE) AUXILIARIES COOLING (SACS) | M-10, M-11, M-12 |
| EP- SERVICE WATER SCREEN WASH | M-10 |
| FC- RCIC STEAM | M-49, M-50 |
| FD- HPCI STEAM | M-55, M-56 |
| GB- CHILLED WATER | M-87 |
| GH- CHILLED WATER | M-66 |
| GI- CHILLED WATER | M-90 |
| GP- PRIMARY CONTAINMENT ILRT/LLRT | M-60 |
| GS- CONTAINMENT ATMOSPHERE CONTROL | M-57 |
| HB- LIQUID RAD. WASTE | M-61 |
| JE- DIESEL FUEL OIL | M-30 |
| KA- SERVICE COMPRESSED AIR | M-15- |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: AB-MAIN STREAM P&ID(S): M-41

| I & C | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | REMARKS | |
|-----------|------|-----|------------|------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|--|------------------|---------|--|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSH | | | | |
| AB 03 | GT | 26 | MO | 3631A | X | X | X | | X | | | | | | | | | | |
| 04 | GT | 26 | MO | 3631B | X | X | X | | X | | | | | | | | | | |
| 05 | GT | 26 | MO | 3631C | X | X | X | | X | | | | | | | | | | |
| 06 | GT | 26 | MO | 3631D | X | X | X | | X | | | | | | | | | | |
| 27 | GB | 2 | MO | F071 | X | X | X | | X | | | | | | | | | | |
| 28 | GB | 26 | AO | F022A | X | X | X | X | X | | | | | | | | | | |
| 29 | GB | 26 | AO | F022B | X | X | X | X | X | | | | | | | | | | |
| 30 | GB | 26 | AO | F022C | X | X | X | X | X | | | | | | | | | | |
| 31 | GB | 26 | AO | F022D | X | X | X | X | X | | | | | | | | | | |
| 32 | GB | 26 | AO | F028A | X | X | X | X | X | | | | | | | | | | |
| 33 | GB | 26 | AO | F028A | X | X | X | X | X | | | | | | | | | | |
| 34 | GB | 26 | AO | F028A | X | X | X | X | X | | | | | | | | | | |
| 35 | GB | 26 | AO | F028A | X | X | X | X | X | | | | | | | | | | |
| 39 | GT | 3 | MO | F016 | X | X | X | | X | | | | | | | | App. "J" TESTING | | |
| 40 | GT | 3 | MO | F019 | X | X | X | | X | | | | | | | | App. "J" TESTING | | |
| 43 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 44 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 45 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 46 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 47 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 48 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 49 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 50 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 51 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 52 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 53 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 54 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 55 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 56 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 57 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 58 | RCK | 1 | | | | | | | | X | X | | | | | | | | |
| 59 | GB | 2 | MO | F067A | X | X | X | | X | | | | | | | | | | |
| 60 | GB | 2 | MO | F067B | X | X | X | | X | | | | | | | | | | |
| 61 | GB | 2 | MO | F067C | X | X | X | | X | | | | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: AB-MAIN STEAM P&ID(S): M-41

| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | REMARKS |
|-----------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|--|--|---------|
| | | | | | SECTION XI CATEGORIES | | | | | | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSAR | | | |
| AB 62 | GB | 2 | MO | F067D | X | X | X | | X | | | | | | | | | |
| 109 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| 110 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| 111 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| 112 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| 113 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| 114 | RCK | 1 | | | | | | | | | X | X | | | | | | |
| AB | PR | 8 | AO | F013 A | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 B | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 C | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 D | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 E | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 F | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 G | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 H | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 J | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 K | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 L | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 M | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 P | | | | | | | | | X | | | | | |
| | PR | 8 | AO | F013 R | | | | | | | | | X | | | | | |
| | YR | 6 | | F037 A | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 B | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 C | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 D | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 E | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 F | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 G | | | | | | | | | X | | | | | |
| | YR | 6 | | F037 H | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 J | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 K | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 L | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 M | | | | | | | | | X | | | | | |
| | VR | 6 | | F037 P | | | | | | | | | X | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: AB-MAIN STREAM P&ID(S), M-41

| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I & C I.D. / OPER. NO. | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|-----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|---------|
| | | | | | SECTION XI CATEGORIES | | | | | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSH | | |
| AB | VR | 6 | | F037R | | | | | | | | | X | | | | |
| AB | VR | 6 | | 4500 A | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 B | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 C | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 D | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 E | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 F | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 G | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 H | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 J | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 K | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 L | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 M | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 P | | | | | | | | | X | | | | |
| | VR | 6 | | 4500 R | | | | | | | | | X | | | | |
| AB | PR | 1 | | 4504 A | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 B | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 C | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 D | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 E | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 F | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 G | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 H | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 J | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 K | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 L | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 M | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 P | | | | | | | | | X | | | | |
| | PR | 1 | | 4504 R | | | | | | | | | X | | | | |
| AB | PR | 1 | | 4505 A | | | | | | | | | X | | | | |
| | PR | 1 | | 4505 B | | | | | | | | | X | | | | |
| | PR | 1 | | 4505 C | | | | | | | | | X | | | | |
| | PR | 1 | | 4505 D | | | | | | | | | X | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: AB - MAIN STEAM P&ID(S): M-41

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | |
|-----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---------|--|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION 81 CATEGORIES | | | | | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | REMARKS | |
| AB | PR | 1 | | 4506 A | | | | | | | | | X | | | | |
| | PR | 1 | | 4506 B | | | | | | | | | X | | | | |
| | PR | 1 | | 4506 C | | | | | | | | | X | | | | |
| | PR | 1 | | 4506 D | | | | | | | | | X | | | | |
| AB | XV | 1 | | 3666 A | | | | | | | | | | | | X | |
| | XV | 1 | | 3666 B | | | | | | | | | | | | X | |
| | XV | 1 | | 3666 C | | | | | | | | | | | | X | |
| | XV | 1 | | 3666 D | | | | | | | | | | | | X | |
| | XV | 1 | | 3667 A | | | | | | | | | | | | X | |
| | XV | 1 | | 3667 B | | | | | | | | | | | | X | |
| | XV | 1 | | 3667 C | | | | | | | | | | | | X | |
| | XV | 1 | | 3667 D | | | | | | | | | | | | X | |

I.C. VALVE TESTING REQUIREMENTS

SYSTEM: AE-FEEDWATER P&ID(S): M-91 & M-99

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | |
|-----------|------|-----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|------------|----------------|----------------|---|----------------|---------|------|--|
| VAL. I.D. | TYPE | SE. | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION XI | | | | | CATEGORIES | | | | | REMARKS | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | | FSAR | |
| AE - 01 | CK | 24 | MO | F032 B | X | X | X | | X | X | X | | | | | | |
| 02 | CK | 24 | AO | F074 B | X | X | X | | X | X | X | | | | | | |
| 03 | CK | 24 | | | X | | | | | X | X | | | | | | |
| 05 | CK | 24 | MO | F032 A | X | X | X | | X | X | X | | | | | | |
| 06 | CK | 24 | AO | F074 A | X | X | X | | X | X | X | | | | | | |
| 07 | CK | 24 | | | X | | | | | X | X | | | | | | |
| 21 | CK | 4 | MO | F039 | X | X | X | | X | X | X | | | | | | |
| 127 | TCK | 4 | | | | | | | | X | | | | | | | |
| 128 | TCK | 4 | | | | | | | | X | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: AP CONDENSATE P&ID(S): M-08

| AL. I.D. | TYPE | SE. | TYPE OPER. | I & C I.D. / OPER. NO. | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|---------|
| | | | | | SECTION I | | | | | CATEGORIES | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | PSR | | |
| AP-75 | GT | 6 | MO | 2072 | | X | | | X | | | | | | | | |
| 136 | GT | 6 | MO | 2073 | | X | | | X | | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BB RECIRCULATION

P&ID(S): M-43 & M-41, M-42

| | | I & C | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | REMARKS | |
|----------|------|-------|------------|------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|---|-----------------|---------|--|
| IHL I.D. | TYPE | SZ | TYPE OPER. | I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSAR | | | | |
| BB | 43 | CK | .75 | | | X | | | | | X | X | | | | | App. "J" TESTIN | | |
| | 47 | CK | .75 | | | X | | | | | X | X | | | | | App. "J" TESTIN | | |
| | | GB | .75 | SOL | 4310 | X | X | | X | | | | | | | | App. "J" TESTIN | | |
| | | GB | .75 | SOL | 4311 | X | X | | X | | | | | | | | App. "J" TESTIN | | |
| BB | | XV | 1 | | 3649 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3783 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3785 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3787 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3789 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3882 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3621 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3688 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3691A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3691B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3725 | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3726A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3726B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3727A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3727B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3728A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3728B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3729A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3729B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3730A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3730B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3731A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3731B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3732A | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3732B | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3732C | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3732D | | | | | | | | | | | X | | | |
| | | XV | 1 | | 3732E | | | | | | | | | | | X | | | |
| | XV | 1 | | 3732F | | | | | | | | | | | X | | | | |
| | XV | 1 | | 3732G | | | | | | | | | | | X | | | | |

HC TYPE TESTING REQUIREMENTS

SYSTEM: BB-REACTOR REIRC. P&ID(S): M-42, M-41, M-43

| | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | | |
|------|------|----|---------------|------------------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|---|---------|
| I.D. | TYPE | SE | TYPE OPER. | I.E.C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | PSI | | | |
| BB | XV | 1 | | 3732 H | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 L | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 M | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 N | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 P | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 S | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 T | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 U | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 V | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 W | | | | | | | | | | | | | X | |
| | XV | 1 | | 3732 X | | | | | | | | | | | | | X | |
| | XV | 1 | | 3734 A | | | | | | | | | | | | | X | |
| | XV | 1 | | 3734 B | | | | | | | | | | | | | X | |
| | XV | 1 | | 3734 C | | | | | | | | | | | | | X | |
| | XV | 1 | | 3734 D | | | | | | | | | | | | | X | |
| | XV | 1 | | 3737 A | | | | | | | | | | | | | X | |
| | XV | 1 | | 3737 B | | | | | | | | | | | | | X | |
| | XV | 1 | | 3738 A | | | | | | | | | | | | | X | |
| | XV | 1 | | 3738 B | | | | | | | | | | | | | X | |

HC VALVE TESTING REQUIREMENTS

SYSTEM: BC-Residual HT. Removal P&ID(S), M-51, M-52, M-58

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | | |
|-----------|------|----|---------------|-------------------------------|--------------------------|---|---|----|----|----|----|----|----|----|------|--|--|------------------|---------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. I.D. | SECTION XI CATEGORIES | | | | | | | | | | | | | | REMARKS |
| | | | | | A | B | C | B3 | B4 | C1 | C2 | C3 | D1 | D2 | FSAR | | | | |
| BC-01 | GT | 24 | MO | F004D | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 02 | CK | 18 | | | | | | | | | X | X | | | | | | | |
| 04 | GT | 12 | MO | F017D | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 05 | TCK | 12 | AO | F041D | X | | | | | | X | X | | | | | | App. "J" TESTING | |
| 06 | GT | 24 | MO | F004B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 07 | GT | 18 | MO | F006B | | X | | | | X | | | | | | | | | |
| 08 | CK | 18 | | | | | | | | | X | X | | | | | | | |
| 10 | GT | 18 | MO | F047B | | X | | | | X | | | | | | | | | |
| 11 | GB | 18 | MO | F003B | | X | | | | X | | | | | | | | | |
| 13 | GB | 12 | MO | F015B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 14 | TCK | 12 | AO | F050B | X | | | | | | X | X | | | | | | App. "J" TESTING | |
| 15 | GB | 6 | MO | F027B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 16 | GT | 12 | MO | F017B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 17 | TCK | 12 | AO | F041B | X | | | | | | X | X | | | | | | App. "J" TESTING | |
| 18 | GT | 16 | MO | F016B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 19 | GT | 16 | MO | F021B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 20 | GB | 6 | MO | F023 | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 21 | GT | 6 | MO | F022 | X | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 22 | GB | 8 | MO | F052B | | X | | | | X | | | | | | | | | |
| 24 | TCK | 4 | | | | | | | | | X | X | | | | | | | |
| 25 | GT | 4 | MO | F026B | | X | | | | X | | | | | | | | | |
| 26 | GT | 4 | MO | F011B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 27 | GB | 18 | MO | F010B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 28 | GB | 18 | MO | F024B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 30 | TCK | 4 | | | | | | | | | X | X | | | | | | | |
| 31 | GT | 4 | MO | F007B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 33 | TCK | 4 | | | | | | | | | X | X | | | | | | | |
| 34 | GT | 4 | MO | F007D | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 36 | GB | 2 | MO | F104B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 37 | GB | 2 | MO | F103B | X | X | | | | X | | | | | | | | App. "J" TESTING | |
| 38 | TCK | 6 | | | | | | | | | X | X | | | | | | | |
| 39 | GT | 6 | MO | F075 | | X | | | | X | | | | | | | | | |
| 41 | GT | 4 | MO | F040 | | X | | | | X | | | | | | | | | |
| 42 | GT | 4 | MO | F049 | | X | | | | X | | | | | | | | | |

I/C. VALVE TESTING REQUIREMENTS

SYSTEM: BC RESIDUAL HT. REMOVAL P&ID(S): M-5T, M-52, M-58

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|-----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|------------------|---------|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSAR | | |
| BC- 71 | GT | 20 | MO | F009 | X | X | X | | | X | | | | | | | App. "J" TESTING | |
| 89 | CK | 1 | | | | | | | | | X | | | | | | | |
| 90 | CK | 1 | | | | | | | | | X | | | | | | | |
| 98 | GT | 24 | MO | F004C | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 99 | CK | 18 | | | | | | | | | X | X | | | | | | |
| 101 | GT | 12 | MO | F017C | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 102 | TCK | 12 | AO | F041C | X | | | | | | X | X | | | | | App. "J" TESTING | |
| 103 | GT | 24 | MO | F004A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 104 | GT | 18 | MO | F006A | | X | | | | X | | | | | | | | |
| 105 | CK | 18 | | | | | | | | | X | X | | | | | | |
| 107 | GT | 18 | MO | F047A | | X | | | | X | | | | | | | | |
| 108 | GB | 18 | MO | F003A | | X | | | | X | | | | | | | | |
| 110 | GB | 12 | MO | F015A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 111 | TCK | 12 | AO | F050A | X | | | | | | X | X | | | | | App. "J" TESTING | |
| 112 | GB | 6 | MO | F027A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 113 | GT | 12 | MO | F017A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 114 | TCK | 12 | AO | F041A | X | | | | | | X | X | | | | | App. "J" TESTING | |
| 115 | GT | 16 | MO | F016A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 116 | GT | 16 | MO | F021A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 117 | GB | 2 | AO | F122A | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 118 | GB | 2 | AO | F122B | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 119 | GB | 2 | AO | F146A | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 120 | GB | 2 | AO | F146B | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 121 | GB | 2 | AO | F146C | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 122 | GB | 2 | AO | F146D | X | X | X | X | | X | | | | | | | App. "J" TESTING | |
| 124 | GB | 18 | MO | F024A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 125 | GB | 18 | MO | F010A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 126 | GT | 4 | MO | F011A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 127 | TCK | 4 | | | | | | | | | X | X | | | | | | |
| 128 | GT | 4 | MO | F007A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 130 | TCK | 4 | | | | | | | | | X | X | | | | | | |
| 131 | GT | 4 | MO | F007C | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 154 | GT | 4 | MO | F026A | | X | | | | X | | | | | | | | |
| 155 | GB | 2 | MO | F003A | X | X | | | | X | | | | | | | App. "J" TESTING | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BC-RHR

PSI ID(S): M-51, M-52, M-58

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|--|------------------|---------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSH | | | |
| BC-156 | GB | 2 | MO | F104A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 161 | GB | 8 | MO | F052A | | X | | | | X | | | | | | | | |
| 163 | TCK | 4 | | | | | | | | | X | X | | | | | | |
| 164 | GT | 20 | MO | F008 | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 194 | CK | 1 | | | | | | | | | X | | | | | | | |
| 195 | CK | 1 | | | | | | | | | X | | | | | | | |
| 206 | CK | 1 | | | X | | | | | | X | | | | | | App. "J" TESTING | |
| 207 | CK | 1 | | | | | | | | | X | | | | | | | |
| 208 | CK | 1 | | | | | | | | | X | | | | | | | |
| 210 | CK | 1 | | | | | | | | | X | | | | | | | |
| 211 | CK | 1 | | | | | | | | | X | | | | | | | |
| 253 | GB | 6 | MO | 4420A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 255 | GB | 6 | MO | 4420B | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 256 | GB | 6 | MO | 4421 | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 260 | CK | 1 | | | X | | | | | | X | | | | | | App. "J" TESTING | |
| 263 | CK | 6 | | | | | | | | | X | | | | | | | |
| 308 | CK | 2 | | | | | | | | | X | | | | | | | |
| 309 | CK | 2 | | | | | | | | | X | | | | | | | |
| 312 | CK | 2 | | | | | | | | | X | | | | | | | |
| 313 | CK | 2 | | | | | | | | | X | | | | | | | |
| 362 | GT | 4 | MO | 4439 | | X | | | | X | | | | | | | | |
| 374 | GB | 2 | MO | 4428 | | X | | | | X | | | | | | | | |
| 427 | BF | 18 | MO | F048B | | X | | | | X | | | | | | | | |
| 520 | GB | 2 | MO | 5055A | | X | | | | X | | | | | | | | |
| 521 | GB | 2 | MO | 5055B | | X | | | | X | | | | | | | | |
| 538 | BF | 18 | MO | F048B | | X | | | | X | | | | | | | | |
| BC - | PR | 1 | | F025A | | | | | | | | | X | | | | | |
| | PR | 1 | | F025B | | | | | | | | | X | | | | | |
| | PR | 1 | | F025C | | | | | | | | | X | | | | | |
| | PR | 1 | | F025D | | | | | | | | | X | | | | | |
| | PR | 1 | | F029 | | | | | | | | | X | | | | | |
| | PR | 1 | | F030A | | | | | | | | | X | | | | | |
| | PR | 1 | | F030B | | | | | | | | | X | | | | | |
| | PR | 1 | | F030C | | | | | | | | | X | | | | | |

I.C. VALVE TESTING REQUIREMENTS

SYSTEM: BC-Resid. H.T. Remote ID(S):

M-57, M-52, M-58

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|--|------------------|---------|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | | | |
| BC- | PR | 1 | | F030D | | | | | | | | | X | | | | | |
| | PR | 6 | | F055A | | | | | | | | | X | | | | | |
| | PR | 6 | | F055B | | | | | | | | | X | | | | | |
| | PR | 4 | | F097 | | | | | | | | | X | | | | | |
| | VR | 6 | | F151A | | | | | | | | | X | | | | | |
| | VR | 6 | | F151B | | | | | | | | | X | | | | | |
| | VR | 6 | | F152A | | | | | | | | | X | | | | | |
| | VR | 6 | | F152B | | | | | | | | | X | | | | | |
| | PR | 1 | | 4425 | X | | | | | | | | X | | | | App. "J" TESTING | |
| | PR | .75 | | 4431A | | | | | | | | | X | | | | | |
| BC- | PR | .75 | | 4431B | | | | | | | | | X | | | | | |
| | XV | 1 | | 4411A | | | | | | | | | | | X | | | |
| | XV | 1 | | 4411B | | | | | | | | | | | X | | | |
| | XV | 1 | | 4411C | | | | | | | | | | | X | | | |
| | XV | 1 | | 4411D | | | | | | | | | | | X | | | |
| | XV | 1 | | 4429A | | | | | | | | | | | X | | | |
| | XV | 1 | | 4429B | | | | | | | | | | | X | | | |
| | XV | 1 | | 4429C | | | | | | | | | | | X | | | |
| | XV | 1 | 4429D | | | | | | | | | | | | X | | | |

4.C. VALVE TESTING REQUIREMENTS

SYSTEM: BD- RCIC

P&ID(S): M-49, M-50

| P&E TESTING REQUIREMENTS | | | | | | | | | | | | | | | | | |
|--------------------------|------|----|---------------|------------------------------|-----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|--|------------------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | REMARKS |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSAR | | |
| BD-01 | GT | 6 | MO | F010 | | X | | | X | | | | | | | | |
| 02 | TCK | 6 | | | | | | | | X | X | | | | | | |
| 03 | GT | 6 | MO | F031 | X | X | | | X | | | | | | | | App. "J" TESTING |
| 04 | TCK | 6 | | | | | | | | X | X | | | | | | |
| 05 | GT | 6 | MO | F013 | X | X | | | X | | | | | | | | |
| 06 | CK | 6 | | | | | | | | X | | | | | | | |
| 07 | GB | 2 | MO | F019 | X | X | | | X | | | | | | | | App. "J" TESTING |
| 10 | CK | 6 | | | | | | | | X | X | | | | | | |
| 11 | GT | 6 | MO | F012 | | X | | | X | | | | | | | | |
| 12 | GB | 4 | MO | F022 | | X | | | X | | | | | | | | |
| 22 | GB | 2 | MO | F046 | | X | | | X | | | | | | | | |
| 23 | CK | 2 | | | | | | | | X | X | | | | | | |
| 28 | CK | 1 | | | | | | | | X | | | | | | | |
| 29 | CK | 1 | | | | | | | | X | | | | | | | |
| BD- | PR | 1 | | F017 | | | | | | | X | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BE-CORE SPRAY

P&ID(S): M-52

| I & C | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|-----|---------------|---------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---|------------------|---------|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | | | |
| BE-02 | TCK | 12 | A.O | F006B | X | | | | | | X | X | | | | | App. "J" TESTING | |
| -03 | GT | 12 | MO | F005B | X | X | | | | X | | | | | | | App. "J" TESTING | |
| -04 | GT | 12 | MO | F004B | | X | | | | X | | | | | | | | |
| -06 | TCK | 12 | A.O | F006A | X | | | | | | X | X | | | | | App. "J" TESTING | |
| 07 | GT | 12 | MO | F005A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 08 | GT | 12 | MO | F004A | | X | | | | X | | | | | | | | |
| 13 | CK | 12 | | | | | | | | | X | X | | | | | | |
| 14 | CK | 12 | | | | | | | | | X | X | | | | | | |
| 15 | CK | 12 | | | | | | | | | X | X | | | | | | |
| 16 | CK | 12 | | | | | | | | | X | X | | | | | | |
| 17 | GT | 16 | MO | F001A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 18 | GT | 16 | MO | F001C | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 19 | GT | 16 | MO | F001B | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 20 | GT | 16 | MO | F001D | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 25 | GB | 10 | MO | F015A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 26 | GB | 10 | MO | F015B | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 28 | TCK | 3 | | | | | | | | | X | X | | | | | | |
| 30 | TCK | 3 | | | | | | | | | X | X | | | | | | |
| 32 | TCK | 3 | | | | | | | | | X | X | | | | | | |
| 34 | TCK | 3 | | | | | | | | | X | X | | | | | | |
| 35 | GB | 4 | MO | F031A | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 36 | GB | 4 | MO | F031B | X | X | | | | X | | | | | | | App. "J" TESTING | |
| 71 | GB | 2 | A.O | F039A | X | X | X | X | X | | | | | | | | App. "J" TESTING | |
| 72 | GB | 2 | A.O | F039B | X | X | X | X | X | | | | | | | | App. "J" TESTING | |
| BE | PR | 2 | | F012A | | | | | | | | | X | | | | | |
| | PR | 2 | | F012B | | | | | | | | | X | | | | | |
| | PR | 1 | | F032A | | | | | | | | | X | | | | | |
| | PR | 1 | | F032B | | | | | | | | | X | | | | | |
| | PR | 1 | | F032C | | | | | | | | | X | | | | | |
| | PR | 1 | | F032D | | | | | | | | | X | | | | | |
| BE- | XV | 1 | | F018A | | | | | | | | | | | | X | | |
| | XV | 1 | | F018B | | | | | | | | | | | | X | | |

IIC VALVE TESTING REQUIREMENTS

SYSTEM: BF- CONTROL FOD DRIVE P&ID(S), M-47, M-46, M-43

| I & C | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|--|------|----|------------|------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|------------------|---------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSH | | | |
| BF | 76 | GB | 2 | AO | F181 | | X | | X | X | | | | | | | | |
| | 77 | GB | 2 | AO | F011 | | X | | X | X | | | | | | | | |
| | 83 | GB | 2 | AO | F180 | | X | | X | X | | | | | | | | |
| | 84 | GB | 2 | AO | F010 | | X | | X | X | | | | | | | | |
| | 98 | GB | 2 | MO | 3800A | X | X | | | X | | | | | | | App. "J" TESTING | |
| | 99 | GB | 2 | MO | 3800B | X | X | | | X | | | | | | | App. "J" TESTING | |
| | 104 | GT | 8 | MO | 4005 | | X | | | X | | | | | | | | |
| NOTE: THE FOLLOWING IS TYPICAL FOR 155 HCU'S | | | | | | | | | | | | | | | | | | |
| BF | | RO | | | PSI 132 | | | | | | | | | | | | | |
| | 114 | CK | .75 | | | | | | | | X | | | | | | | |
| | 115 | CK | .5 | | | | | | | | X | | | | | | | |
| | 137 | CK | .5 | | | | | | | | X | | | | | | | |
| | 138 | CK | .5 | | | | | | | | X | | | | | | | |
| BF | | GB | .5 | SV | 120 | | X | | X | | | | | | | | | |
| | | GB | .5 | SV | 121 | | X | | X | | | | | | | | | |
| | | GB | .5 | SV | 122 | | X | | X | | | | | | | | | |
| | | GB | .5 | SV | 123 | | X | | X | | | | | | | | | |
| | | GB | .75 | AO | XV126 | | X | | X | X | | | | | | | | |
| | | GB | .75 | AO | XV127 | | X | | X | X | | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BH- SBLC

P&ID(S): M-48

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | |
|-----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---------|------------------|
| VAL. I.D. | TYPE | SZ. | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | REMARKS | |
| BH- 04 | CK | 1.5 | | | | | | | | | X | | | | | | |
| 05 | CK | 1.5 | | | | | | | | | X | | | | | | |
| 08 | GT | 1.5 | EXPL. | F004A | | | | | | | | | | | | X | |
| 09 | GT | 1.5 | EXPL. | F004B | | | | | | | | | | | | X | |
| 28 | GCK | 1.5 | MO | F006A | X | X | | | X | X | X | | | | | | App. "J" TESTING |
| 29 | CK | 1.5 | | | X | | | | | X | X | | | | | | App. "J" TESTING |
| 54 | GCK | 1.5 | MO | F006B | X | X | | | X | X | X | | | | | | App. "J" TESTING |
| BH | PR | 1.5 | | F029A | | | | | | | | | X | | | | |
| | PR | 1.5 | | F029B | | | | | | | | | X | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BJ-HPCI

PSID(S): M-55, M-56

| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | REMARKS |
|-----------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|--|------------------|---------|
| | | | | | SECTION XI CATEGORIES | | | | | | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | | | |
| BJ-01 | GT | 14 | MO | F006 | X | X | X | | X | | | | | | | | App. "J" TESTING | |
| 02 | GT | 14 | MO | F007 | | X | | | X | | | | | | | | | |
| 03 | CK | 14 | | | | | | | | X | X | | | | | | | |
| 05 | GT | 16 | MO | F004 | | X | | | X | | | | | | | | App. "J" TESTING | |
| 06 | TCK | 16 | | | | | | | | X | X | | | | | | | |
| 08 | TCK | 16 | | | | | | | | X | | | | | | | | |
| 09 | GT | 16 | MO | F042 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 10 | GB | 10 | MO | F008 | | X | | | X | | | | | | | | | |
| 14 | CK | 1 | | | | | | | | X | | | | | | | | |
| 15 | TCK | 4 | | | | | | | | X | | | | | | | App. "J" TESTING | |
| 16 | GB | 4 | MO | F012 | X | X | | | X | | | | | | | | | |
| 23 | CK | 1 | | | | | | | | X | | | | | | | | |
| 27 | CK | 2 | | | | | | | | X | | | | | | | | |
| 28 | GB | 2 | | | | | | | | | | | | | | | | |
| 59 | GT | 8 | MO | 8278 | X | X | | | X | | | | | | | | | |
| 500 | GB | 2 | MO | 4803 | | X | | | X | | | | | | | | | |
| 501 | GB | 2 | MO | 4804 | | X | | | X | | | | | | | | | |
| 502 | GB | 2 | MO | 4865 | | X | | | X | | | | | | | | | |
| 503 | GB | 2 | MO | 4866 | | X | | | X | | | | | | | | | |
| BJ | PR | 1.5 | | F020 | | | | | | | | | X | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: BN-DEMION. WATER

P&ID(S): M-08

[illegible]

SYSTEM: FA-SERVICE WATER PEID(S): M-10

| I & C | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | |
|--------|------|----|------------|------------------|--------------------------|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|---------|
| I.D. | TYPE | SE | TYPE OPER. | I.D. / OPER. NO. | SECTION I | | | | | CATEGORIES | | | | | | | REMARKS |
| | | | | | A | B | F | B ₁ | B ₂ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSH | | |
| EA 340 | BF | 6 | MO | F073 | | X | | | | X | | | | | | | |
| 346 | BF | 24 | MO | 2355A | | X | | | | X | | | | | | | |
| 349 | BF | 24 | MO | 2371A | | X | | | | X | | | | | | | |
| 352 | BF | 24 | MO | 2355B | | X | | | | X | | | | | | | |
| 355 | BF | 24 | MO | 2371B | | X | | | | X | | | | | | | |
| 357 | BF | 30 | MO | 2203 | | X | | | | X | | | | | | | |
| 358 | BF | 30 | MO | 2204 | | X | | | | X | | | | | | | |
| 359 | FCK | 28 | | | | | | | | | X | X | | | | | |
| 361 | FCK | 28 | | | | | | | | | X | X | | | | | |
| 363 | FCK | 28 | | | | | | | | | X | X | | | | | |
| 365 | FCK | 28 | | | | | | | | | X | X | | | | | |
| 377 | BF | 36 | MO | 2357A | | X | | | | X | | | | | | | |
| 378 | BF | 36 | MO | 2357B | | X | | | | X | | | | | | | |
| 381 | BF | 24 | MO | 2207 | | X | | | | X | | | | | | | |
| 416 | BF | 6 | MO | 2197A | | X | | | | X | | | | | | | |
| 417 | BF | 6 | MO | 2197C | | X | | | | X | | | | | | | |
| 418 | BF | 6 | MO | 2197B | | X | | | | X | | | | | | | |
| 419 | BF | 6 | MO | 2197D | | X | | | | X | | | | | | | |
| 450 | BF | 20 | MO | 2356A | | X | | | | X | | | | | | | |
| 451 | BF | 20 | MO | 2356B | | X | | | | X | | | | | | | |
| 452 | BF | 24 | MO | 2346 | | X | | | | X | | | | | | | |
| 453 | FCK | 24 | | | | | | | | | X | | | | | | |
| 473 | BF | 28 | MO | 2198A | | X | | | | X | | | | | | | |
| 474 | BF | 28 | MO | 2198C | | X | | | | X | | | | | | | |
| 475 | BF | 28 | MO | 2198B | | X | | | | X | | | | | | | |
| 476 | BF | 28 | MO | 2198D | | X | | | | X | | | | | | | |
| 543 | CK | 2 | | | | | | | | | X | | | | | | |
| 544 | RCK | 1 | | | | | | | | | X | | | | | | |
| 545 | RCK | 1 | | | | | | | | | X | | | | | | |
| 546 | RCK | 1 | | | | | | | | | X | | | | | | |
| 547 | RCK | 1 | | | | | | | | | X | | | | | | |
| 552 | BF | 3 | MO | 2236 | | X | | | | X | | | | | | | |
| 553 | BF | 3 | MO | 2234 | | X | | | | X | | | | | | | |
| 554 | BF | 6 | MO | 2238 | | X | | | | X | | | | | | | |

SYSTEM: EA-SERVICE WATER PEID(S): M-10

| I & C | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | |
|--------|------|-----|---------------|---------------------|--------------------------|---|----------------|----------------|----------------|------------|----------------|----------------|---|----------------|-----|---------|
| I.D. | TYPE | SZ | TYPE OPER. | I.D. / OPER. NO. | SECTION I | | | | | CATEGORIES | | | | | PSI | REMARKS |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | | |
| EA-556 | CK | 2 | | | | | | | | | X | | | | | |
| 557 | CK | 2 | | | | | | | | | X | | | | | |
| EA | GB | 2 | SOL | 2247A | | X | | | | | | | | | | |
| | GB | 2 | SOL | 2247B | | X | | | | | | | | | | |
| | GB | 2 | SOL | 2247C | | X | | | | | | | | | | |
| | GB | 2 | SOL | 2247D | | X | | | | | | | | | | |
| | GB | 2 | SOL | 2367A | | X | | X | | | | | | | | |
| | GB | 2 | SOL | 2367B | | X | | X | | | | | | | | |
| | GB | 2 | SOL | 2367C | | X | | X | | | | | | | | |
| | GB | 2 | SOL | 2367D | | X | | X | | | | | | | | |
| EA | PR | .75 | | 2351A | | | | | | | | X | | | | |
| | PR | .75 | | 2351B | | | | | | | | X | | | | |
| | PR | .75 | | 2366A | | | | | | | | X | | | | |
| | PR | .75 | | 2366B | | | | | | | | X | | | | |
| | RD | 20 | | 2210A | | | | | | | | | | | | |
| | RD | 20 | | 2210A | | | | | | | | | | | | |

4.C. VALVE TESTING REQUIREMENTS

SYSTEM: ED-RACS

P&ID(S): M-13

| I & C | | | | | P&E TESTING REQUIREMENTS | | | | | | | | | | | | |
|-----------|------|----|---------------|---------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|---------|----------------|----------------|------------------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | FSH | REMARKS | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | | | D ₁ | D ₂ | |
| ED 03 | BP | 18 | MO | 2598 | | X | | | | X | | | | | | | |
| 04 | BP | 18 | MO | 2599 | | X | | | | X | | | | | | | |
| 19 | GT | 4 | MO | 2553 | X | X | | | | X | | | | | | | App. "J" TESTING |
| 20 | GT | 4 | MO | 2554 | X | X | X | | | X | | | | | | | App. "J" TESTING |
| 21 | GT | 4 | MO | 2555 | X | X | | | | X | | | | | | | App. "J" TESTING |
| 22 | GT | 4 | MO | 2556 | X | X | X | | | X | | | | | | | App. "J" TESTING |

SYSTEM: EE-TORUS INTR CLNWP PSID(S): M-53

| I & C | | | | | PSE TESTING REQUIREMENTS | | | | | | | | | | | | |
|-------|------|----|---------------|---------------------|--------------------------|---|----|----|----|---|----|----|---|----|-----|--|-----------------|
| I.D. | TYPE | SE | TYPE OPER. | I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | REMARKS |
| | | | | | A | B | E2 | B3 | B4 | C | C2 | C3 | D | D2 | FSH | | |
| EE-01 | GT | 6 | MO | 4679 | X | X | | | | X | | | | | | | App. "J" TESTIN |
| 02 | GT | 6 | MO | 4652 | X | X | | | | X | | | | | | | App. "J" TESTIN |
| 03 | GT | 6 | MO | 4680 | X | X | | | | X | | | | | | | App. "J" TESTIN |
| 04 | GT | 6 | MO | 4681 | X | X | | | | X | | | | | | | App. "J" TESTIN |
| EE | PR | | | 4674A | | | | | | | | | X | | | | |

SYSTEM: EG-SACS

P&ID(S): M-11, M-12, M-10

PSI TESTING REQUIREMENTS

| P&ID | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | REMARKS |
|-------|------|----|---------------|------------------------------|-----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|---------|
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | |
| EG-03 | BF | 30 | MO | 2491A | | X | | | X | | | | | | |
| 04 | BF | 30 | MO | 2494A | | X | | | X | | | | | | |
| 07 | BF | 30 | MO | 2491B | | X | | | X | | | | | | |
| 08 | BF | 30 | MO | 2494B | | X | | | X | | | | | | |
| 10 | CK | 20 | | | | | | | | X | X | | | | |
| 13 | CK | 20 | | | | | | | | X | X | | | | |
| 16 | CK | 20 | | | | | | | | X | X | | | | |
| 19 | CK | 20 | | | | | | | | X | X | | | | |
| 21 | BF | 30 | HO | 2522A | X | | | | X | | | | | | |
| 22 | BF | 30 | HO | 2522B | X | | | | X | | | | | | |
| 23 | BF | 20 | MO | 2512A | X | | | | X | | | | | | |
| 26 | BF | 20 | MO | 2512B | X | | | | X | | | | | | |
| 28 | BF | 30 | MO | 2496A | X | | | | X | | | | | | |
| 29 | CK | 30 | | | | | | | | X | | | | | |
| 30 | BF | 30 | MO | 2496B | X | | | | X | | | | | | |
| 31 | CK | 30 | | | | | | | | X | | | | | |
| 64 | GT | 3 | AO | 2290C | X | | | X | X | | | | | | |
| 65 | GT | 3 | AO | 2290A | X | | | X | X | | | | | | |
| 66 | GB | 2 | AO | 2293A | X | | | X | X | | | | | | |
| 67 | GB | 2 | AO | 2293B | X | | | X | X | | | | | | |
| 68 | GT | 3 | AO | 2290B | X | | | X | X | | | | | | |
| 69 | GT | 3 | AO | 2290D | X | | | X | X | | | | | | |
| 70 | GT | 3 | AO | 2290G | X | | | X | X | | | | | | |
| 71 | GT | 3 | AO | 2290E | X | | | X | X | | | | | | |
| 72 | GT | 3 | AO | 2292A | X | | | X | X | | | | | | |
| 73 | GT | 3 | AO | 2292B | X | | | X | X | | | | | | |
| 74 | GT | 3 | AO | 2290F | X | | | X | X | | | | | | |
| 75 | GT | 3 | AO | 2290H | X | | | X | X | | | | | | |
| 104 | GT | 4 | AO | 2302A | X | | | X | X | | | | | | |
| 105 | GT | 4 | AO | 2302F | X | | | X | X | | | | | | |
| 106 | GT | 4 | AO | 2302B | X | | | X | X | | | | | | |
| 107 | GT | 4 | AO | 2302C | X | | | X | X | | | | | | |
| 108 | GT | 4 | AO | 2302D | X | | | X | X | | | | | | |
| 109 | GT | 4 | AO | 2302E | X | | | X | X | | | | | | |

SYSTEM: EG-SACS

P&ID(S): M-11, M-12, M-10

P&ID TESTING REQUIREMENTS

| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | REMARKS |
|--------|------|----|---------------|------------------------------|-----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|---------|
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | |
| EG-138 | BF | 8 | MO | 2319A | | X | | | X | | | | | | |
| 139 | BF | 8 | MO | 7921A | | X | | | X | | | | | | |
| 140 | BF | 8 | MO | 2319B | | X | | | X | | | | | | |
| 141 | BF | 8 | MO | 7921B | | X | | | X | | | | | | |
| 142 | GT | 3 | AO | 2325C | | X | | X | X | | | | | | |
| 143 | GT | 3 | AO | 2325G | | X | | X | X | | | | | | |
| 144 | GT | 3 | AO | 2325A | | X | | X | X | | | | | | |
| 145 | GT | 3 | AO | 2325E | | X | | X | X | | | | | | |
| 146 | GT | 3 | AO | 2325B | | X | | X | X | | | | | | |
| 147 | GT | 3 | AO | 2325F | | X | | X | X | | | | | | |
| 148 | GT | 3 | AO | 2325D | | X | | X | X | | | | | | |
| 149 | GT | 3 | AO | 2325H | | X | | X | X | | | | | | |
| 231 | BF | 8 | AO | 2395A | | X | | X | X | | | | | | |
| 233 | BF | 8 | AO | 2395C | | X | | X | X | | | | | | |
| 235 | BF | 8 | AO | 2395B | | X | | X | X | | | | | | |
| 237 | BF | 8 | AO | 2395D | | X | | X | X | | | | | | |
| 238 | GT | 6 | AO | 2398A | | X | | X | X | | | | | | |
| 241 | GT | 6 | AO | 2398E | | X | | X | X | | | | | | |
| 244 | GT | 6 | AO | 2398C | | X | | X | X | | | | | | |
| 247 | GT | 6 | AO | 2398G | | X | | X | X | | | | | | |
| 250 | GT | 6 | AO | 2398B | | X | | X | X | | | | | | |
| 253 | GT | 6 | AO | 2398F | | X | | X | X | | | | | | |
| 256 | GT | 6 | AO | 2398D | | X | | X | X | | | | | | |
| 259 | GT | 6 | AO | 2398H | | X | | X | X | | | | | | |
| 378 | GB | 2 | AO | 2520A | | X | | X | X | | | | | | |
| 379 | GB | 2 | AO | 2520C | | X | | X | X | | | | | | |
| 382 | GB | 2 | AO | 2520B | | X | | X | X | | | | | | |
| 383 | GB | 2 | AO | 2520D | | X | | X | X | | | | | | |
| 531 | BF | 30 | HO | 2522D | | X | | X | X | | | | | | |
| 532 | BF | 30 | HO | 2522C | | X | | X | X | | | | | | |
| 544 | BF | 8 | MO | 2317A | | X | | | X | | | | | | |
| 545 | BF | 8 | MO | 2317B | | X | | | X | | | | | | |
| 546 | BF | 8 | MO | 7922A | | X | | | X | | | | | | |
| 547 | BF | 8 | MO | 7922B | | X | | | X | | | | | | |

SYSTEM: EG- SACS

P&ID(S): M-11, M-12, M-10

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | |
|--------|------|-----|---------------|------------------------------|--------------------------|---|----|----|----|------------|----|----|---|----|------|---------|--|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION 2 | | | | | CATEGORIES | | | | | FSAR | REMARKS | |
| | | | | | A | B | E2 | B3 | B4 | C | C2 | C3 | D | D2 | | | |
| EG-704 | CK | 2 | | | | | | | | X | | | | | | | |
| 705 | CK | 2 | | | | | | | | X | | | | | | | |
| 706 | CK | 2 | | | | | | | | X | | | | | | | |
| 707 | CK | 2 | | | | | | | | X | | | | | | | |
| 708 | BF | 20 | AO | 2457 B | | X | | X | X | | | | | | | | |
| 709 | BF | 20 | AO | 2457 A | | X | | X | X | | | | | | | | |
| 714 | BF | 30 | MO | 2496 C | | X | | | X | | | | | | | | |
| 715 | BF | 30 | MO | 2496 D | | X | | | X | | | | | | | | |
| 720 | GB | 2 | MO | 2452 A | | X | | | X | | | | | | | | |
| 721 | GB | 2 | MO | 2452 B | | X | | | X | | | | | | | | |
| 722 | GB | 2 | MO | 2320 A | | X | | | X | | | | | | | | |
| 723 | GB | 2 | MO | 2320 B | | X | | | X | | | | | | | | |
| 724 | GB | 2 | MO | 2453 B | | X | | | X | | | | | | | | |
| 725 | GB | 2 | MO | 2453 A | | X | | | X | | | | | | | | |
| 726 | GB | 2 | MO | 2321 B | | X | | | X | | | | | | | | |
| 727 | GB | 2 | MO | 2321 A | | X | | | X | | | | | | | | |
| 730 | TCK | 8 | | | | | | | | X | X | | | | | | |
| 731 | TCK | 8 | | | | | | | | X | X | | | | | | |
| 732 | TCK | 8 | | | | | | | | X | X | | | | | | |
| 733 | TCK | 8 | | | | | | | | X | X | | | | | | |
| 1032 | GB | 2 | MO | 2446 | | X | | | X | | | | | | | | |
| 1033 | GB | 2 | MO | 2447 | | X | | | X | | | | | | | | |
| 1064 | BF | 30 | HO | 2522 F | | X | | | X | | | | | | | | |
| 1065 | BF | 30 | HO | 2522 E | | X | | | X | | | | | | | | |
| EG. | PR | .5 | | 2266 | | | | | | | | X | | | | | |
| | PR | 1 | | 2409 A | | | | | | | | X | | | | | |
| | PR | 1 | | 2409 B | | | | | | | | X | | | | | |
| | PR | 1 | | 2409 C | | | | | | | | X | | | | | |
| | PR | 1 | | 2409 D | | | | | | | | X | | | | | |
| | PR | .75 | | 2490 A | | | | | | | | X | | | | | |
| | PR | .75 | | 2490 B | | | | | | | | X | | | | | |
| | PR | .75 | | 2495 A | | | | | | | | X | | | | | |
| | PR | .75 | | 2495 B | | | | | | | | X | | | | | |
| | PR | .75 | | 2513 A | | | | | | | | X | | | | | |

SYSTEM: EG-SACS

PEID(S): M-11, M-12, M-10

| | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|------|------|----|---------------|------------------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|---------|--|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | PSI ₂ | REMARKS | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | | | |
| EG | PR | 75 | | 2513 B | | | | | | | | | X | | | | |
| | PR | 1 | | 2519 | | | | | | | | | X | | | | |
| | PR | 1 | | 2530A | | | | | | | | | X | | | | |
| | PR | 1 | | 2530 B | | | | | | | | | X | | | | |
| | PR | 4 | | 6220 A | | | | | | | | | X | | | | |
| | PR | 4 | | 6220 B | | | | | | | | | X | | | | |

SYSTEM: EP SEA. WTR. SCREENS P&ID(S): M-10

PSE TESTING REQUIREMENTS

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | |
|-------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|---|----------------|----------------|---|----------------|------|---------|--|
| I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II | | | | | CATEGORIES | | | | | REMARKS | |
| | | | | | A | B | B ₂ | B ₃ | C | C ₂ | C ₃ | D | D ₂ | FSAR | | |
| EP-01 | BF | 6 | MO | 2225A | | X | | | X | | | | | | | |
| 03 | FCK | 6 | | | | | | | | X | X | | | | | |
| 08 | BF | 6 | MO | 2225C | | X | | | X | | | | | | | |
| 10 | FCK | 6 | | | | | | | | X | X | | | | | |
| 14 | BF | 6 | MO | 2225B | | X | | | X | | | | | | | |
| 16 | FCK | 6 | | | | | | | | X | X | | | | | |
| 21 | BF | 6 | MO | 2225D | | X | | | X | | | | | | | |
| 23 | FCK | 6 | | | | | | | | X | X | | | | | |

SYSTEM: FC-PCIC STREAM PEID(S): M-49 & M-50

| PSI TESTING REQUIREMENTS | | | | | | | | | | | | | | | | | | |
|--------------------------|------|-----|---------------|------------------------------|-----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|--|------------------|---------|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSH | | | |
| FC-01 | GT | 4 | MO | F007 | X | X | X | | X | | | | | | | | App. "J" TESTING | |
| 02 | GT | 4 | MO | F008 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 03 | TCK | 10 | | | X | | | | | X | X | | | | | | App. "J" TESTING | |
| 05 | GT | 10 | MO | F059 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 06 | GT | 3 | MO | F062 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 07 | GT | 3 | MO | F084 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 10 | CK | 2 | | | X | | | | | X | X | | | | | | App. "J" TESTING | |
| 11 | GB | 2 | MO | F060 | X | X | | | X | | | | | | | | App. "J" TESTING | |
| 15 | GB | 2 | AO | F025 | | X | | X | X | | | | | | | | | |
| 16 | GB | 2 | AO | F026 | | X | | X | X | | | | | | | | | |
| 21 | GB | 4 | MO | F045 | | X | | | X | | | | | | | | | |
| 33 | GB | 2 | AO | F004 | | X | | X | X | | | | | | | | | |
| 48 | GB | 2 | MO | F076 | X | X | X | | X | | | | | | | | App. "J" TESTING | |
| FC | PR | 1 | | F018 | | | | | | | X | | | | | | | |
| | PR | 1.5 | | F033 | | | | | | | X | X | | | | | | |
| | VR | 2 | | F063 | | | | | | | X | X | | | | | | |
| | VR | 2 | | F064 | | | | | | | X | X | | | | | | |
| FC | RD | 8 | | D001 | | | | | | | | | | | | | | |
| | RD | 8 | | D002 | | | | | | | | | | | | | | |
| FC | XV | 1 | | 4150 A | | | | | | | | | | | X | | | |
| | XV | 1 | | 4150 B | | | | | | | | | | | X | | | |
| | XV | 1 | | 4150 C | | | | | | | | | | | X | | | |
| | XV | 1 | | 4150 D | | | | | | | | | | | X | | | |

SYSTEM: FD-HPCI STREAM P&ID(S): M-55, M-56

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|------|------|-----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|---|------------------|
| I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION I | | | | | CATEGORIES | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSH | | | |
| FD | 01 | GT | 10 | MO | F002 | X | X | X | | X | | | | | | | | App. "J" TESTING |
| | 02 | GT | 10 | MO | F003 | X | X | | | X | | | | | | | | App. "J" TESTING |
| | 03 | GT | 10 | MO | F001 | | X | | | X | | | | | | | | |
| | 04 | TCK | 20 | | | X | | | | | X | X | | | | | | App. "J" TESTING |
| | 06 | GT | 20 | MO | F071 | X | X | | | X | | | | | | | | App. "J" TESTING |
| | 07 | GT | 3 | MO | F075 | X | X | | | X | | | | | | | | App. "J" TESTING |
| | 10 | GT | 3 | MO | F079 | X | X | | | X | | | | | | | | App. "J" TESTING |
| | 17 | GB | 2 | AO | F028 | | X | | | X | X | | | | | | | |
| | 18 | GB | 2 | AO | F029 | | X | | | X | X | | | | | | | |
| | 32 | CK | 2 | | | | | | | | X | X | | | | | | |
| | 34 | GB | 2 | AO | F026 | | X | | | X | X | | | | | | | |
| | 35 | CK | 1.75 | | | | | | | | X | | | | | | | |
| | 38 | CK | 2 | | | | | | | | X | | | | | | | |
| | 51 | GB | 2 | MO | F100 | X | X | | | X | | | | | | | | App. "J" TESTING |
| FD | | PR | 1.5 | | F018 | | | | | | | | | X | | | | |
| | | VR | 3 | | F076 | | | | | | | | | X | | | | |
| | | VR | 3 | | F077 | | | | | | | | | X | | | | |
| | | RD | 16 | | D003 | | | | | | | | | | | | | |
| | | RD | 16 | | D004 | | | | | | | | | | | | | |
| | | PR | 1 | | F050 | | | | | | | | | X | | | | |
| FD | | XV | 1 | | 4800A | | | | | | | | | | | | X | |
| | | XV | 1 | | 4800B | | | | | | | | | | | | X | |
| | | XV | 1 | | 4800C | | | | | | | | | | | | X | |
| | | XV | 1 | | 4800D | | | | | | | | | | | | X | |

SYSTEM: GB-CHILL 20 WATERPUMP(S), M-87

| I & C | | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|-------|------|----|---------------|---------------------|-----------------------|--------------------------|----------------|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|--|------------------|
| I.D. | TYPE | SE | TYPE OPER. | I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | | |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSH | | |
| GB | 46 | GT | 8 | MO | 9531A-2 | X | X | | | | X | | | | | | | App. "J" TESTING |
| | 48 | GT | 8 | MO | 9531A-1 | X | X | | | | X | | | | | | | App. "J" TESTING |
| | 70 | GT | 8 | MO | 9531A-3 | X | X | | | | X | | | | | | | App. "J" TESTING |
| | 71 | GT | 8 | MO | 9531A-4 | X | X | | | | X | | | | | | | App. "J" TESTING |
| | 81 | GT | 8 | MO | 9531B-1 | X | X | X | | | X | | | | | | | App. "J" TESTING |
| | 82 | GT | 8 | MO | 9531B-2 | X | X | X | | | X | | | | | | | App. "J" TESTING |
| | 83 | GT | 8 | MO | 9531B-3 | X | X | X | | | X | | | | | | | App. "J" TESTING |
| | 84 | GT | 8 | MO | 9531B-4 | X | X | X | | | X | | | | | | | App. "J" TESTING |
| | 103 | GT | 10 | MO | 9532-1 | | X | | | | X | | | | | | | |
| | 104 | GT | 10 | MO | 9532-2 | | X | | | | X | | | | | | | |
| GB | | PR | 1 | | 9522A | X | | | | | | | X | | | | | App. "J" TESTING |
| | | PR | 1 | | 9522B | X | | | | | | | X | | | | | App. "J" TESTING |
| | | PR | 1 | | 9523A | X | | | | | | | X | | | | | App. "J" TESTING |
| | | PR | 1 | | 9523B | X | | | | | | | X | | | | | App. "J" TESTING |

SYSTEM: GH-CHILL. WATER PEID(S): M-66

| | | | | | PSE TESTING REQUIREMENTS | | | | | | | | | | | | |
|-------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|---------|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION 2 | | | | | CATEGORIES | | | | | | | REMARKS |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | PSAR | |
| GA-01 | BF | 3 | MO | 5543 | | X | | | | X | | | | | | | |
| 20 | BT | 3 | MO | 5551 | | X | | | | X | | | | | | | |
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SYSTEM: GJ - CHILL. WTR

P&ID(S): M-90

| | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|------|------|----|---------------|------------------------------|-----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|--|---------|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION XI CATEGORIES | | | | | | | | | | | | REMARKS |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | PSI | | |
| GJ | PR | 1 | | 9634A | | | | | | | | | X | | | | |
| | PR | 1 | | 9634B | | | | | | | | | X | | | | |
| | PR | 1 | | 9637A | | | | | | | | | X | | | | |
| | PR | 1 | | 9637B | | | | | | | | | X | | | | |
| | PR | 1 | | 9652A | | | | | | | | | X | | | | |
| | PR | 1 | | 9652B | | | | | | | | | X | | | | |
| | PR | 1 | | 9666A | | | | | | | | | X | | | | |
| | PR | 1 | | 9666B | | | | | | | | | X | | | | |
| | PR | 1 | | 9667A | | | | | | | | | X | | | | |
| | PR | 1 | | 9667B | | | | | | | | | X | | | | |
| | PR | 1 | | 9668A | | | | | | | | | X | | | | |
| | PR | 1 | | 9668B | | | | | | | | | X | | | | |

SYSTEM: GP- PRIM. CONTAIN. ILRTP ID(S): M-60

| | | | | | PSE TESTING REQUIREMENTS | | | | | | | | | | | | |
|--------|------|----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|------------------|
| I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION I CATEGORIES | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSK | | |
| GP- 01 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |
| 02 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |
| 04 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |
| 05 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |
| 120 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |
| 122 | GB | 1 | MAN | | X | | | | | | | | | | | | App. "J" TESTING |

SYSTEM: GS-CONF. ATMOS. CONTROL P&ID (S)

M-57

| | | | | | TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|-------|------|----|-------|-----------|----------------------|---|----|----|----|---|----|----|---|----|-----|------------------|---------|
| | | | | | SECTION 2 CATEGORIES | | | | | | | | | | | | |
| ID | TYPE | SE | OPER. | OPER. NO. | A | B | B2 | B3 | B4 | C | C2 | C3 | D | D2 | FSH | | |
| GS-02 | GT | 4 | MO | 5050A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 03 | GT | 4 | MO | 5052A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 04 | GT | 4 | MO | 5050B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 05 | GT | 4 | MO | 5052B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 06 | GT | 6 | MO | 5053B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 07 | GT | 6 | MO | 5054B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 08 | GT | 6 | MO | 5053A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 09 | BF | 26 | AO | 4956 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 10 | GT | 6 | MO | 5059A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 20 | BF | 24 | AO | 4980 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 21 | BP | 26 | AO | 4979 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 22 | BF | 24 | AO | 4958 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 23 | BF | 6 | AO | 4978 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 24 | BF | 26 | AO | 4952 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 25 | GB | 2 | MO | 4951 | X | X | | | X | | | | | | | App. "J" TESTING | |
| 26 | BF | 26 | AO | 4950 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 27 | BF | 24 | AO | 4962 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 28 | BF | 24 | AO | 4964 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 31 | GB | 2 | MO | 4955B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 32 | GB | 2 | MO | 4983B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 33 | GB | 2 | MO | 5019 | X | X | | | X | | | | | | | App. "J" TESTING | |
| 34 | GB | 2 | MO | 4984B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 38 | BF | 24 | AO | 5031 | X | X | | X | X | | | | | | | App. "J" TESTING | |
| 40 | GB | 2 | MO | 4959B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 41 | GB | 2 | MO | 4965B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 42 | GB | 2 | MO | 4966B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 43 | GB | 2 | MO | 5022B | X | X | | | X | | | | | | | App. "J" TESTING | |
| 45 | GB | 2 | MO | 4955A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 46 | GB | 2 | MO | 4983A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 47 | GB | 2 | MO | 5019A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 48 | GB | 2 | MO | 4984A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 49 | GB | 2 | MO | 4959A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 50 | GB | 2 | MO | 4965A | X | X | | | X | | | | | | | App. "J" TESTING | |
| 51 | GB | 2 | MO | 4966A | X | X | | | X | | | | | | | App. "J" TESTING | |

| PSI TESTING REQUIREMENTS | | | | | SECTION II CATEGORIES | | | | | | | | | | PSAR | REMARKS | | | |
|--------------------------|-----------|---------|-----------|-----------|-----------------------|---|----|----|----|-----|---|----|----|----|------|---------|---|----|------------------|
| TEST ID | TEST TYPE | TEST NO | TEST DATE | TEST TIME | A | B | B1 | B2 | B3 | B4 | C | C1 | C2 | C3 | | | D | D1 | D2 |
| GS-52 | GB | 2 | MO | 5022A | X | X | | | | X | | | | | | | | | App. "J" TESTING |
| 53 | GB | 2 | MO | 4974 | X | X | | | | X | | | | | | | | | App. "J" TESTING |
| 54 | CK | 1 | | | | | | | | | X | | | | | | | | |
| 55 | CK | 1 | | | | | | | | | X | | | | | | | | |
| 76 | GB | 2 | MO | 4963 | X | X | | | | X | | | | | | | | | App. "J" TESTING |
| 80 | BF | 24 | AO | 5029 | X | X | | | | X X | | | | | | | | | App. "J" TESTING |
| 81 | CK | 1 | | | | | | | | | X | X | | | | | | | |
| 93 | CK | 1 | | | | | | | | | X | X | | | | | | | |
| 119 | GB | 2 | MO | 5741A | | X | | | | X | | | | | | | | | |
| 135 | GB | 2 | MO | 5741B | | X | | | | X | | | | | | | | | |
| 138 | CK | 1 | | | | | | | | | X | X | | | | | | | |
| 139 | CK | 1 | | | | | | | | | X | X | | | | | | | |
| 150 | GB | 2 | MO | 5057A | | X | | | | X | | | | | | | | | |
| 151 | GB | 2 | MO | 5057B | | X | | | | X | | | | | | | | | |
| 164 | GB | 3 | MO | 5078A | | | | | | | | | | | | | | | PSAR |
| GS | VR | | AO | 4946A | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946B | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946C | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946D | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946E | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946F | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946G | | X | X | | | | X | X | X | | | | | | |
| | VR | | AO | 4946H | | X | X | | | | X | X | X | | | | | | |
| | VR | 24 | AO | 5030 | X | X | | | | | X | X | X | | | | | | App. "J" TESTING |
| | VR | 24 | AO | 5032 | X | X | | | | | X | X | X | | | | | | App. "J" TESTING |
| GS | PR | 1 | | 5745A-1 | | | | | | | | | | | X | | | | |
| | PR | 1 | | 5745A-2 | | | | | | | | | | | X | | | | |
| | PR | 1 | | 5745B-1 | | | | | | | | | | | X | | | | |
| | PR | 1 | | 5745B-2 | | | | | | | | | | | X | | | | |
| | PR | 1 | | 6292A | | | | | | | | | | | X | | | | |
| | PR | 1 | | 6292B | | | | | | | | | | | X | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: HB-Liq. R. WASTE P&ID: (SY) M-61

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | REMARKS |
|----------|------|----|------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|------------------|
| VTR I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION I | | | | | CATEGORIES | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | F ₁ | F ₂ | | |
| 4B 05 | GT | 3 | MO | F003 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 06 | GT | 3 | MO | F004 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 45 | GT | 3 | MO | F019 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 46 | GT | 3 | MO | F020 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 47 | GT | 4 | MO | 5275 | | X | | | X | | | | | | | | | |
| 48 | GT | 4 | MO | 5262 | | X | | | X | | | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: JE - DFO SFG & XFER P&ID(S): M-30

| | | | | I & C | PSE TESTING REQUIREMENTS | | | | | | | | | | | | |
|-----------|------|----|---------------|--------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|---------|--|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I.D. / OPER. NO | SECTION XI CATEGORIES | | | | | | | | | | | | |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | FSAR | REMARKS | |
| JE | 01 | CK | 2 | | | | | | | | X | | | | | | |
| | 02 | CK | 2 | | | | | | | | X | | | | | | |
| | 03 | CK | 2 | | | | | | | | X | | | | | | |
| | 04 | CK | 2 | | | | | | | | X | | | | | | |
| | 05 | CK | 2 | | | | | | | | X | | | | | | |
| | 06 | CK | 2 | | | | | | | | X | | | | | | |
| | 07 | CK | 2 | | | | | | | | X | | | | | | |
| | 08 | CK | 2 | | | | | | | | X | | | | | | |
| | 95 | CK | 2 | | | | | | | | X | | | | | | |
| | 96 | CK | 2 | | | | | | | | X | | | | | | |
| | 97 | CK | 2 | | | | | | | | X | | | | | | |
| | 98 | CK | 2 | | | | | | | | X | | | | | | |
| 121 | CK | 2 | | | | | | | | X | | | | | | | |
| 122 | CK | 2 | | | | | | | | X | | | | | | | |
| 123 | CK | 2 | | | | | | | | X | | | | | | | |
| 124 | CK | 2 | | | | | | | | X | | | | | | | |
| JE | PR | | | 7792A | | | | | | | | | X | | | | |
| | PR | | | 7792B | | | | | | | | | X | | | | |
| | PR | | | 7792C | | | | | | | | | X | | | | |
| | PR | | | 7792D | | | | | | | | | X | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: KA - SER. POMP. AIR P&ID (S) M-15

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|----|---------------|------------------------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|--|--|--------------------------------------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II CATEGORIES | | | | | | | | | | | | | REMARKS |
| | | | | | A | B ₁ | B ₂ | B ₃ | B ₄ | C ₁ | C ₂ | C ₃ | D ₁ | D ₂ | PSI | | | |
| KA- 28 | GT | 3 | MO | 7626 | | X | | | | X | | | | | | | | App. "J" TESTING App. "J" TESTING |
| 38 | GT | 3 | MAN. | | X | | | | | | | | | | | | | |
| 39 | GT | 3 | MAN. | | X | | | | | | | | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: KB-INSTR. CONTROL AIR P&ID(S): M-15

| | | | | | PSE TESTING REQUIREMENTS | | | | | | | | | | | | | | |
|-----------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|----------------|---|----------------|----------------|----------------|-----|---------|---|----------------|----------------|
| VAL. I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION II | | | | | CATEGORIES | | | | | PSE | REMARKS | | | |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | B ₄ | C | C ₁ | C ₂ | C ₃ | | | D | D ₁ | D ₂ |
| KB-13 | GT | 3 | MO | 7629 | | X | | | | | X | | | | | | | | |
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H.C. VALVE TESTING REQUIREMENTS

SYSTEM: KC-Fire Protection P&ID(5)

M-22

| VAL. I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS | | | | |
|-----------|------|----|---------------|-----------------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|-----|--|--|--|---------|--|--|--|--|
| | | | | | SECTION II CATEGORIES | | | | | | | | PSI | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | | | | | | | | | |
| KC- 49 | GT | 6 | MO | 3408M | | X | | | | X | | | | | | | | | | | |

14C. VALVE TESTING REQUIREMENTS

SYSTEM: KG-BREATHING AIR P&ID(S): M-15

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | | | |
|-----------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|----------------|---|----------------|----------------|----------------|---|----------------|----------------|------------------|
| VAL. I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION & CATEGORIES | | | | | | | | | | | | | |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | B ₄ | C | C ₁ | C ₂ | C ₃ | D | D ₁ | D ₂ | PSI |
| K6-09 | GT | 4 | MO | 7801 | | X | | | | X | | | | | | | | |
| 16 | GB | 2 | MAN. | | X | | | | | | | | | | | | | App. "J" TESTING |
| 34 | GT | 3 | MAN. | | X | | | | | | | | | | | | | App. "J" TESTING |

PERIOD(S) M-5-7

[illegible]

H.C. VALVE TESTING REQUIREMENTS

LO, MARKUP

SYSTEM: KL-EMERG. DIS. GEN. PEID(S)

M-30

PSI TESTING REQUIREMENTS

| VALVE I.D. | TYPE | SE | TYPE OPER. | I & C I.D. / OPENING | SECTION A CATEGORIES | | | | | | | | | | REMARKS |
|------------|------|----|---------------|----------------------------|----------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|---------|
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | |
| KL- | PR | | | 7786A | | | | | | | | X | | | |
| | PR | | | 7786B | | | | | | | | X | | | |
| | PR | | | 7786C | | | | | | | | X | | | |
| | PR | | | 7786D | | | | | | | | X | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: KL- Pont. Instr. Gas

P&ID(S): M-59

| P&ID(S) | | | | | TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS | |
|----------|------|----|------------|------------------------|----------------------|---|----------------|----------------|----------------|------------|----------------|----------------|----------------|---|----------------|----------------|---------|------------------|
| VAL. ID. | TYPE | SE | TYPE OPER. | I & C I.D. / OPER. NO. | SECTION I | | | | | CATEGORIES | | | | | | | | |
| | | | | | A | B | B ₁ | B ₂ | B ₃ | C | C ₁ | C ₂ | C ₃ | D | D ₁ | D ₂ | | D ₃ |
| KL-01 | GB | 2 | MO | 5148 | X | X | X | | X | | | | | | | | | App. "J" TESTING |
| 02 | GB | 2 | MO | 5147 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 03 | GB | 2 | MO | 5160A | | X | | | X | | | | | | | | | |
| 04 | GB | 2 | MO | 5160B | | X | | | X | | | | | | | | | |
| 05 | CK | 1 | | | | | | | | X | | | | | | | | |
| 06 | CK | 1 | | | | | | | | X | | | | | | | | |
| 09 | GB | 2 | AO | 5156B | | X | | X | X | | | | | | | | | |
| 10 | GB | 2 | AO | 5156A | | X | | X | X | | | | | | | | | |
| 18 | GB | 2 | AO | 5159 | X | X | | X | X | | | | | | | | | App. "J" TESTING |
| 19 | GB | 2 | AO | 5155 | X | X | | X | X | | | | | | | | | App. "J" TESTING |
| 23 | CK | 2 | | | | | | | | X | | | | | | | | |
| 24 | CK | 2 | | | | | | | | X | | | | | | | | |
| 25 | GB | 2 | MO | 5126B | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 26 | GB | 2 | MO | 5152B | X | X | X | | X | | | | | | | | | App. "J" TESTING |
| 27 | GB | 2 | MO | 5126A | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 28 | GB | 2 | MO | 5152A | X | X | X | | X | | | | | | | | | App. "J" TESTING |
| 49 | GB | 2 | MO | 5162 | X | X | | | X | | | | | | | | | App. "J" TESTING |
| 182 | GB | 2 | MO | 5124B | | X | X | | X | | | | | | | | | |
| 184 | GB | 2 | MO | 5124A | | X | X | | X | | | | | | | | | |
| 195 | GB | 2 | MO | 5172B | | X | | | X | | | | | | | | | |
| 196 | GB | 2 | MO | 5172A | | X | | | X | | | | | | | | | |
| 217 | CK | 2 | | | | | | | | X | | | | | | | | |
| 219 | CK | 2 | | | | | | | | X | | | | | | | | |
| KL- | PR | 1 | | 5127A | | | | | | | | X | | | | | | |
| | PR | 1 | | 5127B | | | | | | | | X | | | | | | |
| | PR | 1 | | 5135A | | | | | | | | X | | | | | | |
| | PR | 1 | | 5135B | | | | | | | | X | | | | | | |
| | PR | 1 | | 5136A | | | | | | | | X | | | | | | |
| | PR | 1 | | 5136B | | | | | | | | X | | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: KP-MSIV SEAL SYSTEM & ID(S)

M-72

| ITEM I.D. | TYPE | SZ | TYPE OPER. | I & C I.D. / OPER. NO. | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|-----------|------|----|---------------|------------------------------|--------------------------|---|----------------|----------------|----------------|------------|----------------|----------------|---|----------------|-----|--|------------------|
| | | | | | SECTION I | | | | | CATEGORIES | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | PSI | | |
| KP-06 | GB | 2 | MO | 5829A | | X | X | | X | | | | | | | | |
| 07 | GB | 2 | MO | 5837A | X | X | X | | X | | | | | | | | App. "J" TESTING |
| 08 | GB | 2 | MO | 5836A | X | X | X | | X | | | | | | | | App. "J" TESTING |
| 09 | GB | 2 | MO | 5835A | X | X | X | | X | | | | | | | | App. "J" TESTING |
| 10 | GB | 2 | MO | 5834A | X | X | X | | X | | | | | | | | App. "J" TESTING |
| 11 | CK | 2 | | | | | | | | X | | | | | | | |
| 12 | GB | 2 | MO | 5829B | | X | X | | X | | | | | | | | |
| 13 | GB | 2 | MO | 5837B | X | X | X | | X | | | | | | | | |
| 14 | GB | 2 | MO | 5836B | X | X | X | | X | | | | | | | | |
| 15 | GB | 2 | MO | 5835B | X | X | X | | X | | | | | | | | |
| 16 | GB | 2 | MO | 5834B | X | X | X | | X | | | | | | | | |
| 17 | CK | 2 | | | | | | | | X | | | | | | | |
| 18 | CK | 2 | | | | | | | | X | | | | | | | |
| 19 | CK | 2 | | | | | | | | X | | | | | | | |
| 20 | CK | 2 | | | | | | | | X | | | | | | | |
| 21 | CK | 2 | | | | | | | | X | | | | | | | |
| 22 | CK | 2 | | | | | | | | X | | | | | | | |
| 23 | CK | 2 | | | | | | | | X | | | | | | | |
| 42 | GB | 2 | AO | 6055A | | X | X | X | X | | | | | | | | |
| 43 | GB | 2 | AO | 6055B | | X | X | X | X | | | | | | | | |
| KP | PR | 1 | | 5832A | | | | | | | | X | | | | | |
| | PR | 1 | | 5832B | | | | | | | | X | | | | | |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: RC SAMPLING

PSID(S): M-38

| JAN ID | TYPE | SZ | TYPE OPER. | I & C I.D. / OPENING | PSI TESTING REQUIREMENTS | | | | | | | | | | | | REMARKS |
|--------|------|----|---------------|----------------------------|--------------------------|---|----|----|----|---|----|----|---|----|------------|--|------------------|
| | | | | | SECTION II | | | | | | | | | | CATEGORIES | | |
| | | | | | A | B | B2 | B3 | B4 | C | C2 | C3 | D | D2 | PSI | | |
| RC | GB | 1 | SOL | 0643A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0643B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0645A | | X | | X | X | | | | | | | | |
| | GB | 1 | SOL | 0645B | | X | | X | X | | | | | | | | |
| | GB | 1 | SOL | 0646A | | X | | X | X | | | | | | | | |
| | GB | 1 | SOL | 0646B | | X | | X | X | | | | | | | | |
| | GB | 1 | SOL | 0707A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0707B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0728A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0728B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0729A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0729B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0730A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0730B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0731A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 0731B | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 8903A | X | X | | X | X | | | | | | | | App. "J" TESTING |
| | GB | 1 | SOL | 8903B | X | X | | X | X | | | | | | | | App. "J" TESTING |

I&C VALUE TESTING REQUIREMENTS

SYSTEM: SE-NEUT. MONITOR (TIPS) I.D. (SY)

M-59

| | | | | | PSI TESTING REQUIREMENTS | | | | | | | | | | | |
|-------|------|-----|---------------|---------------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|------|------------------|
| I.D. | TYPE | SE | TYPE OPER. | I&C I.D. / OPER. NO | SECTION II CATEGORIES | | | | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | FSAR | REMARKS |
| SE 04 | GB | 2 | AO | 3/61 | X | X | | X | X | | | | | | | App. "J" TESTING |
| 06 | CK | .37 | | | X | | | | | X | X | | | | | App. "J" TESTING |
| 21 | GT | .37 | XP | 1004B-1 | | | | | | | | | | X | | |
| 22 | GT | .37 | XP | 1004B-2 | | | | | | | | | | X | | |
| 23 | GT | .37 | XP | 1004B-3 | | | | | | | | | | X | | |
| 24 | GT | .37 | XP | 1004B-4 | | | | | | | | | | X | | |
| 25 | GT | .37 | XP | 1004B-5 | | | | | | | | | | X | | |
| 26 | BL | .37 | SOL | 1004A-1 | X | X | | X | X | | | | | | | App. "J" TESTING |
| 27 | BL | .37 | SOL | 1004A-2 | X | X | | X | X | | | | | | | App. "J" TESTING |
| 28 | BL | .37 | SOL | 1004A-3 | X | X | | X | X | | | | | | | App. "J" TESTING |
| 29 | BL | .37 | SOL | 1004A-4 | X | X | | X | X | | | | | | | App. "J" TESTING |
| 30 | BL | .37 | SOL | 1004A-5 | X | X | | X | X | | | | | | | App. "J" TESTING |

H.C. VALVE TESTING REQUIREMENTS

SYSTEM: SK. PLANT LK. DET P&ID(S): M-25

| I & C | | | | | P&I TESTING REQUIREMENTS | | | | | | | | | | | |
|-----------|------|----|---------------|---------------------|--------------------------|---|----------------|----------------|----------------|---|----------------|----------------|---|----------------|-----|-----------------|
| VAL. I.D. | TYPE | SE | TYPE OPER. | I.D. / OPER. NO. | SECTION & CATEGORIES | | | | | | | | | | | |
| | | | | | A | B | B ₂ | B ₃ | B ₄ | C | C ₂ | C ₃ | D | D ₂ | PSI | REMARKS |
| SK-05 | GB | 2 | MO | 5018 | x | x | | | x | | | | | | | App. "J" TESTIN |
| 06 | GB | 2 | MO | 4953 | x | x | | | x | | | | | | | App. "J" TESTIN |
| 08 | GB | 2 | MO | 4957 | x | x | | | x | | | | | | | App. "J" TESTIN |
| 09 | GB | 2 | MO | 4981 | x | x | | | x | | | | | | | App. "J" TESTIN |