

**U. S. Nuclear Regulatory Commission**  
**Site-Specific RO Written Examination**

**Applicant Information**

Name:

Date: 20 OCT 2015

Facility / Unit FARLEY 1 & 2

Region: I  II  III  IV

Reactor Type: W  CE  BW  GE

Start Time:

Finish Time:

**Instructions**

Use the answer sheets provided to document your answers. Staple this cover sheet on top of the answer sheets. To pass the examination, you must achieve a final grade of at least 80.00 percent. Examination papers will be collected 6 hours after the examination begins

**Applicant Certification**

All work done on this examination is my own. I have neither given nor received aid.

\_\_\_\_\_  
Applicant's Signature

**Results**

Examination Value 75 Points

Applicant's Score \_\_\_\_\_ Points

Applicant's Grade \_\_\_\_\_ Percent

Unit 1 is starting up IAW UOP-1.2, Startup of Unit from Hot Standby to Minimum Load, with the following condition:

- Reactor Power is 13%.

The CONTROL ROD MOTION switch has been released following a rod withdrawal when the following occurs:

- Rods step out continuously.

Which one of the following completes the statements below?

With NO operator action the C-1, IR Hi Flux Rod Stop, (1) stop the outward rod motion.

The first action directed by AOP-19.0, Malfunction of Rod Control System, is to (2).

A. (1) will NOT

(2) manually Trip the Reactor

B✓ (1) will NOT

(2) place ROD CONTROL BANK SELECTOR SWITCH in AUTO

C. (1) WILL

(2) manually Trip the Reactor

D. (1) WILL

(2) place ROD CONTROL BANK SELECTOR SWITCH in AUTO

Unit 1 is performing a Reactor startup at MOL with the following conditions:

- UOP-1.2, Startup of Unit From Hot Standby to Minimum Load, is in progress.
- The OATC has stabilized Reactor power.
- NI-35 and NI-36, INTERMEDIATE RANGE, indicate  $1 \times 10^{-8}$  AMPS.

Subsequently, control rods are withdrawn 3 steps.

Which one of the following completes the statements below?

Reactor Power will rise then stabilize (1) the POAH.

The **first** indication of reaching the POAH is rising (2).

- |    | <u>(1)</u> | <u>(2)</u>        |
|----|------------|-------------------|
| A. | below      | Pressurizer Level |
| B✓ | at         | Pressurizer Level |
| C. | below      | S/G Pressure      |
| D. | at         | S/G Pressure      |

3. 003A2.03 003

Unit 1 is at 25% power when the following conditions occur:

**At 1000:**

- 1A RX COOLANT PUMP AMPS indicates 700 AMPS.

**At 1002:**

- The 1A RCP motor experiences a Sheared Shaft.

Which one of the following completes the statements below?

**At 1002** the 1A RCP will draw (1) electrical current than it did at 1000.

The crew is required to immediately enter (2).

- |    | <u>(1)</u> | <u>(2)</u>                                 |
|----|------------|--|
| A. | More       | EEP-0.0, Reactor Trip and Safety Injection |
| B. | Less       | EEP-0.0, Reactor Trip and Safety Injection |
| C. | More       | AOP-4.0, Loss of Reactor Coolant Flow      |
| D✓ | Less       | AOP-4.0, Loss of Reactor Coolant Flow      |

Unit 1 is operating at 100% power with the following conditions:

- PK-145, LP LTDN PRESS, is set to maintain Letdown Pressure at 275 psig.

Subsequently, the RCS filter becomes completely clogged and does not allow any flow.

Which one of the following completes the statements below?

PK-145 controller demand will (1).

AOP-16.0, CVCS Malfunction, entry conditions (2) been met.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | Rise       | HAVE       |
| B. | Rise       | have NOT   |
| C✓ | Lower      | HAVE       |
| D. | Lower      | have NOT   |

5. 004K4.12 005

Which one of the following completes the statement below?

Charging Pump Suctions will automatically align to the RWST when (1) sense(s) (2) VCT Level.

Level Transmitter Nomenclature

LT-115, VCT LVL

LT-112, VCT LVL

- |    | <u>(1)</u>                     | <u>(2)</u> |
|----|--------------------------------|------------|
| A. | either LT-115 <b>or</b> LT-112 | 5%         |
| B✓ | both LT-115 <b>and</b> LT-112  | 5%         |
| C. | either LT-115 <b>or</b> LT-112 | 15%        |
| D. | both LT-115 <b>and</b> LT-112  | 15%        |

Unit 1 is in MODE 4 with the following conditions:

- Plant cooldown is in progress with the 'A' Train of RHR .
- The OATC **raises** demand on FK-605A,1A RHR HX BYP FLOW, by 25%.

Which one of the following completes the statements below?

Raising demand on FK-605A will (1) **CCW** temperature.

Per SOP-23.0, Component Cooling Water System, the maximum allowable CCW outlet temperature for the CCW HX used for cooldown is (2).

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | raise      | 120°F      |
| B. | raise      | 135°F      |
| C✓ | lower      | 120°F      |
| D. | lower      | 135°F      |

Unit 1 is shutdown when the following conditions occur:

- A Train is the On Service Train.
- The 1A CCW pump tripped.

Which one of the following completes the statement below?

Cooling is lost to the (1) RHR Heat Exchanger.

Seal cooling water flow for the affected **RHR Pump** (2) be supplied using the Fire Protection System water per AOP-9.0, Loss of CCW.

	<u>(1)</u>	<u>(2)</u>
A.	1A	CANNOT
B.	1A	CAN
C✓	1B	CANNOT
D.	1B	CAN



Unit 1 has experienced a tube rupture on the 1A SG with the following conditions:

- A Loss of All Offsite Power has occurred.
- The operating crew is performing EEP-3, Steam Generator Tube Rupture.
- RCS cooldown is in progress.
- INTEGRITY Critical Safety Function Status Tree has turned ORANGE due to the 1A RCS LOOP cold leg temperature dropping rapidly.

Which one of the following completes the statements below?

The 1A RCS LOOP cold leg temperature drop was caused by increased (1) flow over the 1A RCS LOOP cold leg instrument.

(2) is the highest listed cold leg temperature that could lead to this ORANGE INTEGRITY condition.

- |    | <u>(1)</u>                 | <u>(2)</u> |
|----|----------------------------|------------|
| A. | Natural Circulation        | 270°F      |
| B. | Natural Circulation        | 225°F      |
| C. | High Head Safety Injection | 270°F      |
| D✓ | High Head Safety Injection | 225°F      |

9. 006K6.05 009

A Safety Injection has just occurred on Unit 1.

Which one of the following completes the statement below?

The minimum valve actuations that would lead to HHSI Pump cavitation are \_\_\_\_.

Valve Nomenclature:

LCV-115C, VCT OUTLET ISO

LCV-115E, VCT OUTLET ISO

LCV-115D, RWST TO CHG PUMP

LCV-115B, RWST TO CHG PUMP

- A. LCV-115C **or** LCV-115E opening
- B. LCV-115C **and** LCV-115E opening
- C. LCV-115B **or** LCV-115D closing
- D. LCV-115B **and** LCV-115D closing

Nitrogen addition to the PRT on Unit 1 is in progress when the following occurs:

- V-042, PRT N2 PRESS REG, fails causing PRT pressure to RISE.
- PI-472, PRT PRESS, stabilizes at 15.0 psig.

Which one of the following completes the statements below?

HE5, PRT PRESS HI, (1) in alarm.

Per SOP-1.2, Reactor Coolant Pressure Relief System, normal nitrogen pressure prevents (2).

- |    | <u>(1)</u> | <u>(2)</u>                                  |
|----|------------|---|
| A. | IS         | excessive corrosion due to oxygen           |
| B. | is NOT     | excessive corrosion due to oxygen           |
| C✓ | IS         | an explosive mixture of oxygen and hydrogen |
| D. | is NOT     | an explosive mixture of oxygen and hydrogen |

Unit 1 is operating at 100% power when the following conditions occur:

- A break has occurred at the inlet of a Pressurizer Safety Valve.

Subsequently, the following condition exists:

- Pressurizer Pressure is 1860 psig.

Which one of the following completes the statements below?

Immediately following the break, Pressurizer Level will rise due to (1).

An automatic reactor trip (2) occurred.

- |    | <u>(1)</u>                    | <u>(2)</u> |
|----|-------------------------------|------------|
| A. | core voiding                  | HAS        |
| B✓ | lowering Pressurizer Pressure | HAS        |
| C. | core voiding                  | has NOT    |
| D. | lowering Pressurizer Pressure | has NOT    |

Unit 1 is operating at 100% power with the following conditions:

- A dual unit LOSP occurs.

Subsequently, **Unit 2** experiences a Safety Injection.

Which one of the following completes the statement below for **Unit 1**?

The (1) CCW pump is being powered by the (2) DG.

	<u>(1)</u>	<u>(2)</u>
A.	1A	1-2A
B.	1A	1C
C.	1C	1-2A
D✓	1C	1C

13. 009EA1.17 013

Unit 1 is in MODE 5 with the following conditions:

- A cooldown is in progress.
- RHR is on service.

Subsequently, the following conditions occur:

- V-8708A, RHR SUCTION RELIEF, has lifted and is stuck open.

Which of the following tank levels will immediately rise due to the malfunction?

- A.  PRT
- B.  RHT
- C.  WHT
- D.  RCDD

14. 011EK3.05 014

A Design Basis Large Break LOCA has occurred on Unit 1.

Which one of the following completes the statements below?

The Accumulators will inject directly to the (1).

The purpose of the Accumulator design capacity is to (2)  
refill the Reactor Vessel following a design basis accident.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | Hot Legs   | partially  |
| B. | Hot Legs   | completely |
| C✓ | Cold Legs  | partially  |
| D. | Cold Legs  | completely |

Unit 1 is operating at 100% power and the following conditions exist:

- Pressurizer Pressure is 2240 psig.
- Tavg is 572°F.
- Pressurizer Level Control is in manual.
- Pressurizer Level is 60%.
- 600V LCC 1M has lost power.

Which one of the following completes the statements below?

Power has been lost to the (1) Pressurizer Heater Group.

Pressurizer Heater Groups A and B are currently (2).

	<u>(1)</u>	<u>(2)</u>
A✓	D	Energized
B.	D	De-Energized
C.	E	Energized
D.	E	De-Energized



16. 012K4.09 016

Unit 1 is operating at 100% Power when the following conditions occur:

- A short circuit occurs in PT-445, PRZR PRESS.
- Pressurizer Pressure remains stable.

Which one of the following completes the statement below?

The Pressurizer Pressure input to the Reactor Protection System will NOT be affected by this malfunction due to the use of \_\_\_\_.

- A.  an independent control channel
- B.  a median signal selector
- C.  isolation devices
- D.  de-energize to actuate bistables

Unit 1 is operating at 100% power and the following occurs:

- A Safety Injection followed by an LOSP on Unit 1.

Several minutes following the safety injection the following condition exists:

- The 1B DG is running with the output breaker open.

Which one of the following completes the statements below?

SOP-0.8, Transient Response Procedure User's Guide, (1) require a procedure be used prior to closing the 1B DG output breaker.

The B1G sequencer (2) energize the 1C Air Compressor.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | DOES       | DOES       |
| B✓ | DOES       | does NOT   |
| C. | does NOT   | DOES       |
| D. | does NOT   | does NOT   |

18. 013K2.01 018

The 1D Vital Panel becomes de-energized on Unit 1.

Which one of the following completes the statements below.

The 'B' Train SI actuated MOVs (1) automatically stroke upon an SI actuation.

'B' Train ESF pumps (2) be started in LOCAL at the HSDP.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | WILL       | CAN        |
| B. | WILL       | CANNOT     |
| C✓ | will NOT   | CAN        |
| D. | will NOT   | CANNOT     |

19. 014K1.01 019

Which one of the following completes the statements below?

The C-11, Bank D Stop, is actuated by input from (1) at a Bank D rod height of (2) steps.

- |    | <u>(1)</u>                      | <u>(2)</u> |
|----|---------------------------------|------------|
| A. | Digital Rod Position Indication | 220        |
| B. | Digital Rod Position Indication | 228        |
| C✓ | the Pulse-to-Analog Converter   | 220        |
| D. | the Pulse-to-Analog Converter   | 228        |

Unit 1 is in MODE 3 and the following RCP temperatures are observed:

	Motor Bearing Temperature	Motor Stator Temperature
1A RCP	190°F	235°F
1B RCP	200°F	220°F
1C RCP	190°F	230°F

Which one of the following completes the statement below?

Only the \_\_\_\_ is (are) required to be secured.

- A. 1A RCP
- B. 1B RCP
- C. 1A and 1B RCPs
- D. 1A and 1C RCPs

21. 017K6.01 021

Which one of the following conditions would cause the Core Exit Thermocouple (CETC) monitor to generate an alarm?

- A. ✓ ANY CETC input is disconnected.
- B. ONLY ten valid CETCs.
- C. ANY CETC temperature is 650°F
- D. ANY CETC temperature at 300°F.

Unit 1 is operating at 100% power when the following conditions occurred:

- 1B Charging Pump is started.
- 1A Charging Pump is secured.
- 1B CHG PUMP AMPS, begins to oscillate.
- FI-122A, CHG FLOW, begins to oscillate.

Subsequently, the following annunciators come into alarm:

- EA2, CHG HDR FLOW HI-LO.
- DD1, RCP SEAL INJ FLOW LO.
- DE1, REGEN HX LTDN FLOW DISCH TEMP HI.

Which one of the following completes the statements below?

The alarms above are indicative of (1).

The maximum 1A RCP seal injection flowrate that would cause DD1 to alarm is (2).

- |                                | <u>(1)</u> | <u>(2)</u> |
|--------------------------------|------------|------------|
| A. FCV-122 failing open        |            | 6 gpm      |
| B✓ 1B Charging Pump Cavitation |            | 6 gpm      |
| C. FCV-122 failing open        |            | 3 gpm      |
| D. 1B Charging Pump Cavitation |            | 3 gpm      |

23. 022K3.01 023

Unit 1 is operating at 100% power with the following conditions:

- A Large Break LOCA occurs.

Subsequently, a Loss of Offsite Power occurs.

Which one of the following completes the statement below **5 minutes after** the Loss of Offsite Power?

(1) Containment Cooler Fans are running in (2) speed.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A✓ | 2          | SLOW       |
| B. | 4          | SLOW       |
| C. | 2          | FAST       |
| D. | 4          | FAST       |



Unit 1 is in MODE 5 and the following condition exists:

- Both Trains of RHR are operating in the cooldown alignment.
- Power is aligned to the RHR suction valves.
- Tavg is 195°F.

Subsequently, the following condition occurs:

- PT-402, 1C LOOP RCS NR PRESS, fails to 500 psig.
- HG5, SOLID RCS PRESS HI, Alarms.

Which one of the following completes the statements below?

MOV-8701A, 1C RCS LOOP TO 1A RHR PUMP, (1) automatically close.

AOP-12.0, Residual Heat Removal System Malfunction, entry (2) required.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | DOES       | IS         |
| B. | does NOT   | IS         |
| C. | DOES       | is NOT     |
| D✓ | does NOT   | is NOT     |

25. 026A1.03 025

Unit 1 is Shutdown following a LOCA with the following conditions:

- PR-950, CTMT PRESS, peaked at 3.2 psig.
- ECP-1.1, Loss of Emergency Coolant Recirculation, is in progress.

Which one of the following completes the statements below:

Per ECP-1.1, the minimum **CTMT Sump Level** that can support Containment Spray pump operation is \_\_\_\_\_.

- A. 2.0 ft
- B✓ 3.8 ft
- C. 4.5 ft
- D. 5.3 ft

Unit 1 is operating at 100% power when the following condition occurs:

- PK-444A, PRZR PRESS REFERENCE, demand fails to 0%.

Which one of the following completes the statements below?

Initially, (1) PORV(s) will OPEN automatically.

PCV-444C, 1A LOOP SPRAY VLV, will (2).

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | only ONE   | CLOSE      |
| B✓ | only ONE   | OPEN       |
| C. | BOTH       | CLOSE      |
| D. | BOTH       | OPEN       |

Unit 1 is operating at 100% power with the following conditions:

- Containment Mini-Purge is in operation

Subsequently, the following conditions occur:

- A Main Steam Line breaks inside Containment
- PR-950Z, CTMT PRESS, stabilizes at 14.5 psig.

Which one of the following completes the statements below?

CTMT Mini-Purge supply and exhaust fans (1) tripped automatically due to a Containment Ventilation Isolation signal.

CTMT Mini-Purge supply and exhaust dampers (2) closed automatically due to a Containment Ventilation Isolation signal.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | HAVE       | HAVE       |
| B. | HAVE       | have NOT   |
| C✓ | have NOT   | HAVE       |
| D. | have NOT   | have NOT   |

Unit 1 is operating at 100% power with the following conditions:

- STP-33.2A, Reactor Trip Breaker Train A Operability Test, is in progress.
- Reactor Trip Breaker A is OPEN.
- Reactor Trip Bypass Breaker A is CLOSED.
- Reactor Trip Breaker B is CLOSED.

Subsequently, the following conditions occur:

- A Manual Reactor Trip is required.
- The OATC attempts to Trip the Reactor using the MCB hand switches.
- The Reactor does NOT Trip.

Which one of the following completes the statements below?

The Reactor Trip Breaker B Shunt Trip Coil failed to (1).

The minimum action required to initiate a Reactor Trip locally is to open Reactor Trip Bypass Breaker A (2) Reactor Trip Breaker B.

- |    | <u>(1)</u>  | <u>(2)</u> |
|----|-------------|------------|
| A. | energize    | AND        |
| B✓ | energize    | OR         |
| C. | de-energize | AND        |
| D. | de-energize | OR         |

**Unit 2** is starting up per UOP-1.2, Startup of Unit From Hot Standby To Minimum Load, with the following conditions:

- Main Steam Header Warm Up is in Progress.

Which one of the following actions would cause the 2B SG Pressure to **lower** due to increased steam demand from the 2B SG?

- A✓ Lower PC-3371B, 2B MS ATMOS REL VLV, SETPT in AUTO.
- B. Lower PC-3371B, 2B MS ATMOS REL VLV, OUTPUT in MAN.
- C. Lower PK-464, STM HDR PRESS, OUTPUT in MAN.
- D. Lower PK-464, STM HDR PRESS, SETPT in AUTO.

Unit 1 is responding to a SGTR in the 1A SG with the following conditions:

**At 1000:**

- HIGHEST CORE EXIT TEMP CHAN A and B on the IPC, indicates 530°F.
- 1A SG PRESS is 810 psig.
- PI-403A, 1A LOOP RCS WR PRESS, indicates 1230 psig.
- RCS cooldown is in progress.

**At 1045:**

- HIGHEST CORE EXIT TEMP CHAN A and B, on the IPC indicates 450°F.
- 1A SG PRESS is 300 psig.
- PI-403A, 1A LOOP RCS WR PRESS, indicates 565 psig.

Which one of the following completes the statements below?

Compared to the conditions at 1000, RCS subcooling at 1045 has (1).

Compared to the conditions at 1000, SG tube leakage rate at 1045 has (2).

**Reference Provided**

	<u>(1)</u>	<u>(2)</u>
A.	risen	risen
B.	risen	lowered
C✓	lowered	lowered
D.	lowered	risen

Unit 1 is in Mode 3 at EOL with the following conditions:

- A Reactor Startup is being planned for 24 hours after a reactor trip.
- Tavg is being maintained by the Atmospheric Relief Valves (ARVs).
- The Estimated Critical Condition (ECC) calculation predicts criticality at 100 steps on Control Bank D.

Which one of the following conditions will result in critical rod height being HIGHER than the value predicted by the ECC?

For your answer, consider that no operator actions are taken to mitigate or compensate for the below events.

- A. A dilution of 500 gallons is performed.
- B. Auxiliary Feedwater flow is RAISED to all SGs.
- C✓ A post maintenance test results in the closure of all ARVs.
- D. Reactor startup occurs 30 hours after the reactor trip.



Unit 2 is at 68% power ramping down due to a problem with #4 Governor Valve with the following conditions:

- EH is isolated to #4 Governor valve.
- A subsequent failure causes #2 Governor Valve to fail closed.
- Turbine load drops to 450 MW.

Which one of the following completes the statements below?

The #2 governor valve closure results in (1).

Per SOP-72.0, General Instructions for DEH Operators Console, the operating crew is required to (2).

- A. (1) automatic removal of the IMP Press Loop  
(2) trip the Main Turbine
- B. (1) automatic removal of the IMP Press Loop  
(2) match reactor power with turbine load
- C. (1) opposed governor valve closure  
(2) trip the Main Turbine
- D✓ (1) opposed governor valve closure  
(2) match reactor power with turbine load

Unit 1 is operating at 100% power with the following conditions:

**AT 1000:**

- 1A Circulating Water Pump Trips.

**AT 1005:**

- KK1, TURB COND VAC LO, comes into alarm

Which one of the following completes the statements below?

(1) is the earliest time AOP-8.0, Partial Loss of Condenser Vacuum, entry is required.

At 100% Reactor power, (2) is the lowest condenser pressure a **manual** Reactor Trip is required.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A✓ | 1000       | 3.800 psia |
| B. | 1005       | 3.800 psia |
| C. | 1000       | 2.901 psia |
| D. | 1005       | 2.901 psia |

34. 054AA1.04 034

Unit 1 entered FRP-H.1, Response to Loss of Secondary Heat Sink, with the following conditions:

Time	1000	1015	1030	1100
1A S/G WR LVL (%)	37.00	28.00	18.00	11.00
1B S/G WR LVL (%)	32.00	20.00	10.00	6.00
1C S/G WR LVL (%)	29.00	19.00	9.00	3.00
CNMT PRESS (PSIG)	1.50	2.00	3.00	4.50
AFW TOTAL FLOW (GPM)	0	0	0	0

Which one of the following is the EARLIEST time that a manual Safety Injection is required due to meeting Bleed and Feed criteria per FRP-H.1?

- A. 1000
- B. 1015
- C✓ 1030
- D. 1100

35. 055EK3.02 035

Which one of the following is the purpose of depressurizing all intact SGs during the performance of ECP-0.0, Loss of All AC Power?

- A. Rapidly reduces DP across SG U-tubes to minimize RCS inventory loss from a potential tube rupture.
- B✓ Cools RCP seals and minimizes loss of RCS inventory.
- C. Maximizes Natural Circulation flow before reflux cooling begins as the RCS becomes saturated.
- D. Maximizes Natural Circulation flow to allow reactor vessel head to cool since CRDM cooling fans are unavailable.

Unit 1 is operating at 100% power and the following condition exists:

- Main Condenser Pressure is rising due to a failure of the 1A SJAE.

Which one of the following completes the statements below?

Main Condenser Hotwell Temperature will initially (1).

AOP-8.0, Partial Loss of Condenser Vacuum, will direct placing (2) on service.

- |    | <u>(1)</u> | <u>(2)</u>  |
|----|------------|-------------|
| A. | RISE       | a Hogger    |
| B. | LOWER      | a Hogger    |
| C✓ | RISE       | the 1B SJAE |
| D. | LOWER      | the 1B SJAE |

Unit 1 is in MODE 4 when the following occurs:

- 4160V busses 1F, 1K, 1G, and 1L de-energize.
- Emergency Diesel Generators (EDGs) do NOT restore power to the de-energized busses.

Which one of the following completes the statement below?

The first procedure the Operating Crew is required to enter is (1).

The first action the Operating Crew is required to take is (2).

- A. (1) AOP-5.0, Loss of A or B Train Electrical Power  
(2) restore power with EDGs
- B. (1) ECP-0.0, Loss of All AC Power  
(2) perform Immediate Operator Actions to restore power with EDGs
- C. (1) AOP-5.0, Loss of A or B Train Electrical Power  
(2) check the Reactor tripped
- D✓ (1) ECP-0.0, Loss of All AC Power  
(2) perform Immediate Operator Actions to check the Reactor tripped

38. 056G2.1.28 038

Which one of the following completes the statement below?

The Main Turbine exhaust hood sprays use (1) to automatically prevent excessive temperatures at the exhaust of the LP Turbine (2) 15% Turbine Load.

- |    | <u>(1)</u>  | <u>(2)</u> |
|----|-------------|------------|
| A. | demin water | above      |
| B. | demin water | below      |
| C. | condensate  | above      |
| D✓ | condensate  | below      |

Unit 1 is operating at 100% power with the following conditions:

- LCV-115A, VCT HI LVL DIVERT VLV, is in AUTO

Subsequently, the following occurs:

- The 1C 120 VAC Vital Instrumentation Panel is de-energized.

Which one of the following completes the statements below?

LCV-459, LTDN LINE ISO, (1) automatically close if a Pressurizer Low Level condition occurs.

LCV-115A (2) immediately divert to the RHT.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | WILL       | WILL       |
| B✓ | WILL       | will NOT   |
| C. | will NOT   | WILL       |
| D. | will NOT   | will NOT   |



Unit 1 is operating at 8% power and the following conditions occur:

- The Battery Input Breaker on the 1B inverter trips.
- WD2, 1B INV FAULT, annunciator alarms.
- No Other Annunciators are in Alarm due to the fault.

Subsequently, the Rover reports the following indications from the 1B Inverter.

- INVERTER POWERING LOAD lamp NOT lit.
- BYPASS SOURCE AVAILABLE lamp is LIT.

Which one of the following completes the statements below?

The 1B 120V Vital AC panel is (1).

The 1B INVERTER AMPERES meter on the EPB indicates (2).

A. (1) Energized

(2) 0 Amps

B✓ (1) Energized

(2) Full Load Amps

C. (1) De-energized

(2) 0 Amps. When the MANUAL BYPASS SWITCH is taken to BYPASS SOURCE TO LOAD position it will indicate Full Load Amps.

D. (1) De-energized

(2) 0 Amps. When the MANUAL BYPASS SWITCH is taken to BYPASS SOURCE TO LOAD position it will continue to indicate 0 Amps.

41. 059A3.03 041

Unit 1 is operating at 100% power when the following conditions occur:

- Annunciator KB4, SGFP SUCT PRESS LO, alarms
- PR-4039, SGFP SUCT PRESS, indicates 300 psig and lowering.

Which one of the following completes the statement below?

The earliest time the standby condensate pump will start is when \_\_\_\_.

- A. KB4 has been in alarm for 10 seconds
- B. KB4 has been in alarm for 30 seconds
- C✓ SGFP suction pressure has remained below 275 PSIG for 10 seconds
- D. SGFP suction pressure has remained below 275 PSIG for 30 seconds

A **gas transfer** is in progress to the #8 Waste Gas Decay Tank on Unit 1 when the following conditions occur:

- The #8 Waste Gas Decay Tank relief valve lifts.
- The relief valve fails to reseal.

Which one of the following completes the statements below?

The relief valve lifting will initially be detected by (1).

The release (2) be automatically isolated from the environment if an alarm condition exists.

- |                             | <u>(1)</u> | <u>(2)</u> |
|-----------------------------|------------|------------|
| A. R-13, WASTE GAS MONITOR  |            | WILL       |
| B. R-13, WASTE GAS MONITOR  |            | will NOT   |
| C. R-14, PLANT VENT MONITOR |            | WILL       |
| D✓ R-14, PLANT VENT MONITOR |            | will NOT   |

43. 061A1.01 043

Unit 1 is Operating at 100% Reactor Power when the following conditions occur:

Time	1000	1005	1010	1015
1A S/G NR LVL (%)	26.00	23.00	21.00	7.00
1B S/G NR LVL (%)	34.00	27.00	25.00	8.00
1C S/G NR LVL (%)	35.00	33.00	31.00	12.00
1A SGFP STATUS	Running	Running	Tripped	Tripped
1B SGFP STATUS	Running	Running	Tripped	Tripped

Which one of the following is the **earliest** time when **all** AFW Pumps have received an AUTO START signal?

- A. 1000
- B. 1005
- C. 1010
- D. 1015

Unit 1 is operating at 100% power with the following condition:

- An LOSP occurs.

Which one of the following completes the statements below?

**10 seconds** after power is restored to the 1F 4160V bus:

1A CHG PUMP AMPS will indicate (1) AMPS.

1A MDAFWP AMPS will indicate (2) AMPS.

- |    | <u>(1)</u>        | <u>(2)</u>        |
|----|-------------------|-------------------|
| A. | greater than zero | greater than zero |
| B✓ | greater than zero | zero              |
| C. | zero              | greater than zero |
| D. | zero              | zero              |

Unit 1 is operating at 100% power when the following condition occurs:

- The Reactor Trips

Subsequently, the following indications are displayed continuously on the MCB.

- V-515, SW TO TURB BLDG ISO A TRN, RED **and** GREEN Lights are LIT.
- V-517, SW TO TURB BLDG ISO B TRN, RED **and** GREEN Lights are LIT.
- V-516, SW TO TURB BLDG ISO A TRN, RED **and** GREEN Lights are LIT.
- V-514, SW TO TURB BLDG ISO B TRN, RED **and** GREEN Lights are LIT.

Which one of the following completes the statement below?

The valve actuation was initiated by a (1).

The valve position prevents (2).

- A. (1) Safety Injection  
(2) damage to turbine building auxiliaries.
- B. (1) Loss of Offsite Power  
(2) complete isolation of SW flow to the Air Compressors
- C. (1) Safety Injection  
(2) complete isolation of SW flow to the Air Compressors
- D✓ (1) Loss of Offsite Power  
(2) damage to turbine building auxiliaries.

Which one of the following completes the statements below?

The (1) RCP(s) can be powered from the **1A** Startup Transformer.

The (2) RCP(s) can be powered from the **2B** Startup Transformer.

- |    | <u>(1)</u>     | <u>(2)</u>     |
|----|----------------|----------------|
| A✓ | 1A RCP         | 2A RCP         |
| B. | 1A RCP         | 2B and 2C RCPs |
| C. | 1B and 1C RCPs | 2A RCP         |
| D. | 1B and 1C RCPs | 2B and 2C RCPs |

Unit 1 is at 100% power when the following condition occurs in the Aux Bldg DC distribution system:

- The 125V DC Bus 1B has been de-energized.

Subsequently, an LOSP occurs on Unit 1.

Which one of the following completes the statements below?

The 1B DG (1) be started from the EPB.

The B1G Sequencer (2) automatically sequence loads.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | CAN        | WILL       |
| B✓ | CANNOT     | will NOT   |
| C. | CANNOT     | WILL       |
| D. | CAN        | will NOT   |



48. 064K6.07 048

Which one of the following completes the statement below for the 1B DG Air Receivers?

The maximum Air Receiver pressure that will cause an alarm on the 1B DG Local Control Panel is (1).

If a low pressure condition exists in either 1B DG Air Receiver, the 1B DG TRBL annunciator on the **EPB** (2) alarm.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | 200 psig   | will NOT   |
| B. | 200 psig   | WILL       |
| C. | 350 psig   | will NOT   |
| D✓ | 350 psig   | WILL       |

Unit 1 is operating at 100% power when the following conditions occur:

- MH1, FIRE, annunciator on the Unit 1 Main Control Board (MCB) alarms.
- "Aux Bldg EI 139 W Side Det 1A-39, 43, 46, 53 1A-55, 59, 106", light is lit on the Control Room Fire Panel.
- The Rover reports that the window for 1A-59 at the PYR-A-LARM panel is lit.

What is (are) the **minimum** required action(s) to ensure MH1, FIRE, will alarm again if 1A-39 comes into alarm?

- A. The Control Room Fire Panel alarm must be acknowledged.  
**and**  
1A-59 must be placed in OVERRIDE on the PYR-A-LARM panel.
- B✓ The Control Room Fire Panel alarm must be acknowledged.  
**and**  
The Reflash Panel alarm for detection system 1A-59 must be acknowledged.
- C. ONLY 1A-59 must be placed in OVERRIDE on the PYR-A-LARM panel.
- D. ONLY the Reflash Panel alarm for detection system 1A-59 must be acknowledged.

AOP-28.0, Control Room Inaccessibility, is in progress on Unit 1.

Which one of the following completes the statements below?

The 1A MDAFWP will be operated in LOCAL at the (1) HSDP.

Operator action is required to control the MDAFWP FCVs in LOCAL at the HSDP in order to prevent (2).

- |    | <u>(1)</u> | <u>(2)</u>                               |
|----|------------|--|
| A. | F          | low SG water level due to valve position |
| B. | F          | isolating letdown due to cooldown        |
| C. | A          | low SG water level due to valve position |
| D✓ | A          | isolating letdown due to cooldown        |

Unit 2 is at 100% power with the following conditions:

- A #1 Waste Monitor Tank (WMT) release is in progress with the #1 WMT pump running.
- RCV-18, WMT DISCH TO ENVIRONMENT, is open.

Subsequently R-18, LIQ WASTE DISCH, alarms HIGH.

Which one of the following completes the statements below?

RCV-18 will (1).

The #1 WMT pump will (2).

- |    | <u>(1)</u>  | <u>(2)</u>      |
|----|-------------|-----------------|
| A. | remain open | trip            |
| B. | remain open | continue to run |
| C. | close       | trip            |
| D✓ | close       | continue to run |

52. 073K1.01 052

Unit 1 is operating at 100% power with the following condition:

- A SG Tube Leak is in progress.
- FCV-1152, SGBD HX Outlet Flow Control Valve, is stuck in the OPEN position.

Which one of the following radiation monitors is able to automatically stop a release to the environment due to the SG Tube Rupture?

A. R-23A, SGBD SRG TK INLET

B✓ R-23B, SGBD SRG TK DISCH

C. R-19, SGBD SAMPLE

D. R-70A, SG TUBE LEAK DET

Unit 1 is operating at 100% power when the following occurs:

- A Large Break LOCA occurs inside containment.
- Containment Pressure reaches 35 psig.

Which one of the following completes the statements below?

MOV-3024A, EMERG SW FROM 1A CTMT CLR, opened due to a(n) (1) signal.

Each CTMT Cooler will be supplied with approximately (2) GPM of Service Water flow.

	<u>(1)</u>	<u>(2)</u>
A✓	Safety Injection	2000
B.	Safety Injection	800
C.	Containment Spray	2000
D.	Containment Spray	800

Unit 1 experienced a Safety Injection with LOSP and a System Operator reports the following:

- The 1A Charging Pump is running.
- DF06, 1A Charging Pump Supply Breaker, is closed.
- The 1A Charging Pump Room Cooler is NOT running.
- There is no apparent damage to the Room Cooler or the associated supply breaker.

Which one of the following completes the statements below?

The 1A Charging Pump Room Cooler failed to start due to a (1) malfunction.

The Charging Pump Room Cooler (2) be started from the BOP.

- |    | <u>(1)</u>      | <u>(2)</u> |
|----|-----------------|------------|
| A. | B1F Sequencer   | CAN        |
| B. | B1F Sequencer   | CANNOT     |
| C✓ | DF06 MOC Switch | CAN        |
| D. | DF06 MOC Switch | CANNOT     |

55. 076AA2.03 055

Unit 1 is operating at 100% power with the following conditions:

- The Gross Failed Fuel Detector (GFFD) has steadily indicated 2500 cpm during the entire fuel cycle.

Subsequently, the following readings are recorded:

Time	1000	1100	1200	1300
GFFD Indication (cpm)	$1.1 \times 10^4$	$1.5 \times 10^4$	$4.4 \times 10^4$	$1.3 \times 10^5$

Which one of the following is the earliest time the GFFD will be in High Alarm?

- A. 1000
- B✓ 1100
- C. 1200
- D. 1300



Unit 1 is operating at 100% power with the following conditions:

- AOP-5.2, Degraded Grid, has just been entered.
- Voltage on all emergency busses for both units is reading 3875 volts.
- MEGAVARS are reading (+) 100 on the MCB.
- The Shift Supervisor has directed the UO to maintain (+) 400 MVARs in accordance with the voltage schedule.

Which one of the following will occur when the UO performs the adjustment as directed by the Shift Supervisor?

The operator will   (1)   Voltage, to reach (+) 400 MVARs.

After adjusting voltage, the temperature of large pump motors, such as the RCP or CW pump motors, will   (2)  .

- |    | <u>  (1)  </u> | <u>  (2)  </u> |
|----|----------------|----------------|
| A✓ | raise          | lower          |
| B. | raise          | rise           |
| C. | lower          | lower          |
| D. | lower          | rise           |

Unit 1 was manually tripped from 100% power and the following conditions exist:

- AOP-6.0, Loss of Instrument Air, is in progress.
- The TDAFW pump automatically started.
- BOTH MDAFW pumps failed to start.
- The MSVR **is not accessible**.

Subsequently, the following report is received from Mechanical Maintenance:

- Restoration of Instrument Air will take 3 hours.

Which one of the following describes the required AOP-6.0 operator action(s), if any, and the reason?

- A. No action is required because the TDAFWP steam admission valves fail to the "as is" position.
- B. Manually close the TDAFWP steam admission valves to avoid causing an uncontrolled cooldown.
- C. Manually open the TDAFWP steam admission valves to provide an adequate heat sink.
- D✓ Manually align emergency air to the TDAFW pump steam admission valves to provide an adequate heat sink.

Unit 1 is operating at 100% power when the following occurs:

**At 1000**

- An Instrument Air malfunction occurs.

**At 1015**

- PI-4004B, INST AIR PRESS, indicates 50 psig and stable

Which one of the following completes the statements below?

**At 1015** V904, Instrument Air to the Service Building, is (1).

A(n) (2) maintains MSIV air pressure following loss of instrument air pressure.

- |    | <u>(1)</u> | <u>(2)</u>                   |
|----|------------|------------------------------|
| A. | OPEN       | accumulator                  |
| B. | OPEN       | compressed nitrogen cylinder |
| C✓ | CLOSED     | accumulator                  |
| D. | CLOSED     | compressed nitrogen cylinder |

Unit 1 is shutdown following a LOCA with the following conditions:

- PI-402A and PI-403A, RCS WR PRESS, indicate 600 psig and stable.
- PR-950Z, CTMT PRESS, indicates 32 psig and slowly lowering.
- MLB-1 Lights 1-1 and 11-1, SAFETY INJECTION, are LIT
- MLB-2 Lights 1-1 and 11-1, PHASE A CNMT ISO, are LIT
- MLB-3 Lights 1-1 and 6-1, PHASE B CNMT ISO, are LIT

Subsequently, ONLY the following actions are taken:

- SI BLOCK RESET A TRN pushbutton is depressed.
- SI BLOCK RESET B TRN pushbutton is depressed.
  
- PHASE B CTMT ISO RESET A TRN pushbutton is depressed.
- PHASE B CTMT ISO RESET B TRN pushbutton is depressed.

Which one of the following completes the statements below:

PHASE A CNMT ISO (1) reset.

PHASE B CNMT ISO (2) reset.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | IS         | is NOT     |
| B. | IS         | IS         |
| C. | is NOT     | is NOT     |
| D✓ | is NOT     | IS         |

60. 103K4.06 060

Unit 1 is operating at 100% power when the following conditions occur:

- Phase A is actuated using the MCB handswitches.

How has the Phase A signal affected the following valve positions?

Valve Nomenclature:

HV-8152, LTDN LINE CTMT ISO  
MOV-8112, RCP SEAL WTR RTN ISO  
HV-8149A, LTDN ORIF ISO 45 GPM  
MOV-3052, CCW TO RCP CLRS

- A. Only HV-8152, HV-8149A, and MOV-8112 have closed.
- B. Only HV-8152, MOV-8112, and MOV-3052 have closed.
- C. Only HV-8152, and HV-8149A have closed.
- D. Only HV-8152 has closed.

A Main Control Board Deficiency related to a MCB handswitch has been identified.

Which one of the following completes the statements below IAW SOP-0.10, FNP Operations Site Specific Policies?

A (1) is required to be created to identify the deficiency.

The identifier (Deficiency Tag/Control Room DOT) will be (2).

- |    | <u>(1)</u>       | <u>(2)</u>                        |
|----|------------------|-----------------------------------|
| A. | Deficiency Tag   | affixed to the MCB handswitch     |
| B. | Deficiency Tag   | placed in the deficiency notebook |
| C✓ | Control Room DOT | affixed to the MCB handswitch     |
| D. | Control Room DOT | placed in the deficiency notebook |

**Unit 2** experiences a Reactor Trip with Safety injection.

Subsequently, the following occurs:

- The UO directs the TB Systems Operator to perform the TBSO Actions Following a Reactor Trip or Safety Injection.

Which one of the following completes the statements below per SOP-0.0, Appendix A, TB SO Actions Following a Reactor Trip and/or Safety Injection?

The Turbine Building System Operator (1) required to close V-503B, 2A MSR 2ND STG STM SUPP ISO.

The Turbine Building System Operator (2) required to reduce Main Generator hydrogen pressure to less than 2 psig.

- |     | <u>(1)</u> | <u>(2)</u> |
|-----|------------|------------|
| A.  | IS         | IS         |
| B.✓ | IS         | is NOT     |
| C.  | is NOT     | IS         |
| D.  | is NOT     | is NOT     |

Which one of the following completes the statements below per NMP-AP-001-003, Review and Approval of Site Procedures?

The Pen and Ink Change Process may be used for (1) changes.

A Condition Report (2) required following use of a procedure with Pen and Ink changes.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A✓ | editorial  | IS         |
| B. | editorial  | is NOT     |
| C. | temporary  | IS         |
| D. | temporary  | is NOT     |



64. G2.2.22 064

Unit 1 is in a Refueling Outage with fuel being loaded into the core.

Which one of the following completes the statements below?

Per TRM 13.1.6, Borated Water Source - Shutdown, the minimum operable BAT Tank Temperature is (1).

Per TRM 13.1.6, the minimum operable BAT Tank Volume is (2).

- |    | <u>(1)</u> | <u>(2)</u>    |
|----|------------|---------------|
| A. | 35°F       | 2000 gallons  |
| B. | 35°F       | 11336 gallons |
| C✓ | 65°F       | 2000 gallons  |
| D. | 65°F       | 11336 gallons |

65. G2.2.35 065

Unit 1 is exiting a refueling outage with the following conditions:

	Time	1000	1200	1400	1600
Average Coolant Temp (°F)		300	450	547	547
Rated Thermal Power (%)		0	0	2	6
Keff		<.99	<.99	1.00	1.00

Which one of the following completes the statements below?

The earliest time Unit 1 is in MODE 4 is at (1).

The earliest time Unit 1 is in MODE 1 is at (2).

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | 1000       | 1400       |
| B✓ | 1000       | 1600       |
| C. | 1200       | 1400       |
| D. | 1200       | 1600       |

A Plant Operator has been assigned a portable RAM 100 frisker for personnel monitoring when exiting the dry cask storage area with the following condition:

- The Frisker Response Checks were last performed 7 days ago.

Which one of the following completes the statements below?

The frisker detects (1).

The Frisker Response Checks for the assigned frisker are required to be performed (2).

- A✓ (1) Beta and Gamma radiation  
(2) prior to the next use
- B. (1) ONLY Beta radiation  
(2) 6 months from the date of the last response check
- C. (1) Beta and Gamma radiation  
(2) 6 months from the date of the last response check
- D. (1) ONLY Beta radiation  
(2) prior to next use

67. G2.3.4 067

You are assigned a task:

- Your current TEDE is 1500 mrem.
- Dose rate in the area you are required to work is 1500 mr/hr.

Which one of the following is the maximum amount of time you can stay in the area without exceeding Farley Administrative TEDE limits with no additional approval?

- A.  20 minutes
- B.  100 minutes
- C.  120 minutes
- D.  140 minutes

68. G2.4.18 068

EEP-0.0, Reactor Trip or Safety Injection, provides specific Reactor Coolant Pump (RCP) trip criteria on the foldout page.

Which one of the following is the reason for tripping the RCPs when these conditions occur?

- A✓ Conserves RCS inventory during a Small Break LOCA with subsequent LOSP.
- B. Prevents RCP seal damage following a Small Break LOCA.
- C. Prevents pump runout following a Large Break LOCA.
- D. Ensures core reflood following a Large Break LOCA.

69. G2.4.27 069

Unit 1 and Unit 2 are operating at 100% power when the following condition occurs:

- The Outside System Operator reports a fire in the Liquid hydrogen storage tank vent stack.

Which one of the following completes the statement below?

Per AOP-29.0, Plant Fire, and SOP-34.0, Hydrogen-Oxygen System the fire will be extinguished by \_\_\_\_.

- A. spraying water directly on the vent stack and isolating the leak.
- B. discharging a portable fire extinguisher into the vent stack and isolating the leak.
- C✓ establishing a helium purge and isolating the leak.
- D. isolating the leak ONLY.

70. G2.4.43 070

The Emergency Director has declared a SITE AREA EMERGENCY.

Which one of the following completes the statements below?

Per NMP-EP-111, Emergency Notifications, a \_\_\_\_ tone will be sounded prior to onsite notification announcement.

- A. YELP
- B.  WARBLE
- C. SIREN
- D. PULSE

71. WE08EA1.1 071

An RCS soak is in progress per FRP-P.1, Response to Imminent Pressurized Thermal Shock Condition, on Unit 1.

Which one of the following actions is permitted?

- A. Start a Charging Pump.
- B. Energize PZR heaters.
- C. Start an RCP.
- D✓ Isolate Accumulators.



Unit 1 is shutdown following a Large Break LOCA followed by an LOSP. The following conditions occur:

**At 1000:**

- WA2, 1-2A DG GEN FAULT TRIP, alarms.

**At 1015:**

- CF3, 1A OR 1B RHR PUMP OVERLOAD TRIP, alarms.
- RWST level is 3 ft.
- Containment Spray pump suction is aligned to the RWST.

Which one of the following completes the statements below?

**At 1015** (1) train(s) of emergency coolant recirculation capability has(have) been lost.

The operating crew (2) required to secure all CTMT Spray **at 1015**.

- |    | <u>(1)</u> | <u>(2)</u> |
|----|------------|------------|
| A. | ONLY one   | IS         |
| B. | ONLY one   | is NOT     |
| C✓ | BOTH       | IS         |
| D. | BOTH       | is NOT     |

Unit 1 is shutdown with ECP-2.1, Uncontrolled Depressurization of All Steam Generators in progress. The following conditions exist:

- All MSIV - TRIP handswitches have been taken to CLOSE.
- JH1, 1A SG MSIV CLOSED is NOT lit.
- JH2, 1B SG MSIV CLOSED is NOT lit.
- JH3, 1C SG MSIV CLOSED is NOT lit.

Which one of the following completes the statements below?

The next action the crew is required to take per ECP-2.1 is (1).

If an MSIV is closed, ECP-2.1 directs use of (2) to determine if a Steam Generator has been isolated.

- A. (1) Place the MSIV -TEST handswitch to TEST  
(2) Cold Leg Temperature
- B✓ (1) Place the MSIV - TEST handswitch to TEST  
(2) SG Pressure
- C. (1) Manually remove air pressure from the MSIVs  
(2) Cold Leg Temperature
- D. (1) Manually remove air pressure from the MSIVs  
(2) SG Pressure

Unit 1 is shutdown with the following conditions:

- 1A SG Pressure is 1145 psig.
- The 1A Atmospheric Relief Valve is mechanically bound and cannot be opened.
- All MSIV and MSIV Bypasses are closed.

Which one of the following completes the statements below?

Entry conditions for FRP-H.2, Response to Steam Generator Overpressure (1) been met

If FRP-H.2 were entered, the crew would be directed to lower 1A SG Pressure by (2).

- |    | <u>(1)</u> | <u>(2)</u>                  |
|----|------------|-----------------------------|
| A. | have NOT   | dumping steam to the TDAFWP |
| B. | HAVE       | dumping steam to the TDAFWP |
| C. | have NOT   | opening MSIV bypasses       |
| D✓ | HAVE       | opening MSIV bypasses       |

75. WE15EK1.2 075

Unit 1 has experienced a Large Break LOCA with the following conditions:

- PR-0950Z, CTMT PRESS NR, indicates 30 psig.
- LI-3594A, CTMT SUMP LVL, indicates 8 FT.
- FI-958 A and B, CS FLOW, indicate 1200 GPM each.

Which one of the following completes the statements below?

Per CSF-0.5, Containment, the crew is required to enter a(n) (1) path FRP due to (2).

- |    | <u>(1)</u> | <u>(2)</u>      |
|----|------------|-----------------|
| A. | RED        | CTMT Pressure   |
| B. | RED        | CTMT Sump Level |
| C. | ORANGE     | CTMT Pressure   |
| D✓ | ORANGE     | CTMT Sump Level |