

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 1  
(1 point)

---

Given the following plant conditions:

- Unit 1 has just reached 100% power following a refueling outage
- Unit 2 is at 100% power with 93 EFPD

Which ONE of the following will result in the highest amount of Emergency Feedwater flow required to stabilize RCS temperature 5 minutes following the trip?

- A. Both Main Feedwater Pumps ONLY trip on Unit 1
  - B. Both Main Feedwater Pumps ONLY trip on Unit 2
  - C. Loss of Offsite Power on Unit 1
  - D. Loss of Offsite Power on Unit 2
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 2  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 100%
- 1RC-66 (PORV) is leaking past its seat
- Pressurizer temperature = 648 °F
- Quench tank pressure = 5 psig
- Reactor Building pressure = 0 psig

Which ONE of the following describes the expected tailpipe temperature (°F) downstream of 1RC-66?

- A. 212
  - B. 228
  - C. 272
  - D. 648
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 3  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor tripped from 100% power due to SBLOCA
- 1A HPI Pump failed
- Subcooling Margin = 0°F stable

Which ONE of the following is the reason the EOP directs increasing SG levels to the Loss of Subcooling Margin Setpoint level?

- A. Establish a large secondary side inventory in support of a rapid RCS cooldown.
  - B. Establish a large secondary side inventory to ensure that a loss of coupling will NOT occur if a momentary loss of EFDW occurs.
  - C. Ensure a secondary water level higher than the primary water level inside the SG tubes to establish boiler condenser mode heat transfer
  - D. Ensure a secondary side level sufficient to minimize the consequences of a total loss of feedwater during boiler condenser mode heat transfer
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 4  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 50% stable
- 1B2 RCP is OFF

Which ONE of the following would require immediate entry into AP/1/A/1700/016 (Abnormal Reactor Coolant Pump Operation)?

- A. OAC point O1A0061 (RCP 1A1 MTR INPUT POWER) in HI alarm
  - B. OAC point O1A1579 (RCP 1A2 MTR LOWER AIR TEMP) in HI alarm
  - C. 1SA-15/A5 (RC PUMP MOTOR 1B1 OIL POT LOW LEVEL) in alarm
  - D. 1SA-6/D5 (PUMP 1B2 CAVITY PRESS HI/LOW) in alarm
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 5  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%

Current conditions:

LOOP A SUBCOOLING MARGIN (F)	CORE SUBCOOLING MARGIN (F)	CORE SUBCOOLING MARGIN (F)	LOOP B SUBCOOLING MARGIN (F)
-13	0	0	0

- LPI Flow Train A = 1800 gpm stable
- LPI Flow Train B = 1780 gpm stable
- Rule 2 (Loss of SCM) in progress.
- IMAs complete

1) The SRO will direct actions from the \_\_\_ (1) \_\_\_ tab of the EOP.

2) In accordance with Rule 2, performance of Rule 3 (Loss of Main or Emergency FDW) \_\_\_ (2) \_\_\_ required.

Which ONE of the following completes the statements above?

- A. 1. LOSCM  
2. is
  - B. 1. LOSCM  
2. is NOT
  - C. 1. ICC  
2. is
  - D. 1. ICC  
2. is NOT
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 6**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Normal LPI decay heat removal in service

Current conditions:

- Loss of offsite power occurs
- Power restored via CT-4
- 1A and 1B LPI Pumps NOT available

Which ONE of the following describes the requirements to start the 1C LPI Pump?

Manual reset of Load Shed is \_\_ (1) \_\_ and starting of 1C LPI Pump is allowed after a MINIMUM of \_\_ (2) \_\_ seconds.

- A.     1. NOT required  
       2. 5
  
  - B.     1. required  
       2. 5
  
  - C.     1. NOT required  
       2. 30
  
  - D.     1. required  
       2. 30
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 7  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor trip has just occurred
- Total RCP seal injection flow = 0 gpm
- Running Component Cooling pump tripped
- Standby CC pump did not start

Which ONE of the following describes the procedure whose performance is directed by the EOP and why?

Initiate...

- A. AP/20 (Loss of CC) to restore Component Cooling
  - B. AP/20 (Loss of CC) to ensure letdown is isolated
  - C. AP/25 (SSF EOP) to align an alternate letdown flowpath
  - D. AP/25 (SSF EOP) to align an alternate source of seal injection
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 8  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 90%
- 1B Main Feedwater pump trips

Current conditions:

- Reactor power = 70% decreasing
- RCS pressure = 2165 psig slowly decreasing
- Pressurizer level = 228 inches slowly decreasing
- Pressurizer temperature = 640°F slowly decreasing
- Pressurizer heater bank 1 (Group A and K) is ON
- Pressurizer heater banks 2, 3, and 4 are in AUTO and are OFF

The pressurizer is \_\_\_(1)\_\_\_ AND the pressurizer heater bank 2 \_\_\_(2)\_\_\_.

Which ONE of the following completes the statement above?

- A. 1. subcooled  
2. will energize at 2145 psig
  - B. 1. subcooled  
2. should be energized
  - C. 1. saturated  
2. will energize at 2145 psig
  - D. 1. saturated  
2. should be energized
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 9  
(1 point)

---

Given the following Unit 2 conditions:

- Loss of all sources of Feedwater has occurred
- RCS Pressure = 2250 psig increasing
- Pressurizer level = 294 inches increasing
- ALL SCM's = 24°F slowly decreasing

What is the:

- 1) lowest RCS pressure (psig) that will require Rule 4 (Initiation of HPI Forced Cooling) to be performed?
  - 2) PRIMARY reason for reducing the number of operating RCP's in accordance with Rule 4?
    - A.
      1. 2300
      2. Reduce the heat input to the RCS
    - B.
      1. 2300
      2. Provide the ability to recover from HPI forced cooling and re-establish a Pressurizer bubble.
    - C.
      1. 2255
      2. Reduce the heat input to the RCS
    - D.
      1. 2255
      2. Provide the ability to recover from HPI forced cooling and re-establish a Pressurizer bubble.
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 10**  
(1 point)

---

Given the following Unit 3 conditions:

- Reactor power = 100%

Which ONE of the following will result in a Tech Spec LCO being NOT met?

- A. 3A SGTL rate = 160 gpd
  - B. 3B Core Flood Tank level = 12.69 feet
  - C. 3B Core Flood Tank pressure = 622 psig
  - D. 4 gpm RCS leak identified as being through valve stem packing of 3HP-1
-

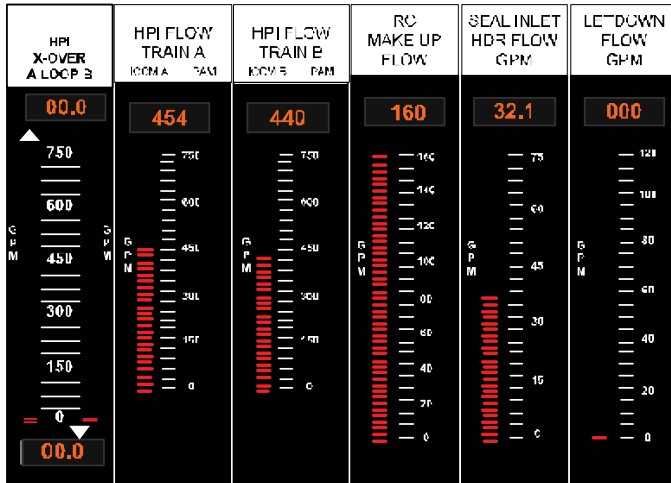
# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 11**  
(1 point)

Given the following Unit 1 conditions:

- ALL sources of feedwater have been lost
- Rule 4 (Initiation of HPI Forced Cooling) is complete with outstanding IAAT's
- 1A HPI pump has failed
- HPI flow parameters are as indicated below



In accordance with Rule 4, \_\_ (1) \_\_ RCP('s) is/are operating and HPI flow \_\_ (2) \_\_ required to be throttled.

Which ONE of the following completes the statement above?

- A. 1. 1  
2. is
- B. 1. 1  
2. is NOT
- C. 1. 2  
2. is
- D. 1. 2  
2. is NOT

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 12**  
(1 point)

---

Given the following Unit 1 Conditions:

Initial conditions:

- Reactor Power = 100%
- ACB-4 closed

Current conditions:

- Reactor trip
- CT-1 Locks out
- KHU-2 Emergency Lockout occurs

Assuming no additional failures, which ONE of the following describes the first method used to restore power to Unit 1 MFB's?

- A. Automatically through ACB-3
  - B. Automatically through SL1 and SL2
  - C. Manually through ACB-3 in accordance with Enclosure 5.38 (Restoration of Power) of the EOP
  - D. Manually through SL1 and SL2 in accordance with Enclosure 5.38 (Restoration of Power) of the EOP
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 13  
(1 point)

---

Given the following Unit 1 conditions:

- Unit shutdown in progress
- Reactor power = 38% slowly decreasing
- LOOP (Switchyard Isolation) occurs

- 1) Based on the conditions above, the status of the Main Turbine will be \_\_ (1) \_\_ 5 minutes following the LOOP?
- 2) ANYTIME the Main Turbine is tripped, ICS uses \_\_ (2) \_\_ to control the Turbine Bypass Valves?

Which ONE of the following completes the statements above?

- A.
    1. tripped
    2. Turbine Header Pressure
  - B.
    1. tripped
    2. Steam Generator Outlet Pressure
  - C.
    1. NOT tripped
    2. Turbine Header Pressure
  - D.
    1. NOT tripped
    2. Steam Generator Outlet Pressure
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 14**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions

- Reactor Power = 100%
- SASS in Manual while SPOC repairs Pressurizer Level 3 level transmitter
- 1HP-120 in AUTO selected to Pressurizer Level 1

Current conditions:

- Vital Power to ICCM Train A fails

Which ONE of the following describes Pressurizer level control with 1HP-120?

- A. Selecting Pressurizer Level 2 and depressing the AUTO pushbutton on 1HP-120 are required to restore automatic control at setpoint
  - B. Selecting Pressurizer Level 2 ONLY will restore automatic control at setpoint
  - C. Manual control using 1HP-120 Bailey controller is all that is available
  - D. Additional actions are NOT required since Automatic control at setpoint is retained
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 15  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- Instrument Air pressure = 85 psig decreasing
- AP/22 (Loss of Instrument Air) has been initiated

Which ONE of the following

- 1) is the higher Instrument Air pressure (psig) that would require an immediate manual Reactor trip in accordance with AP/22?
- 2) states the reason AP/22 directs tripping the Main FDW pumps immediately after tripping the Reactor as described above?

- A.
    1. 70
    2. Controlling FDW valves fail "as is"
  - B.
    1. 65
    2. Controlling FDW valves fail "as is"
  - C.
    1. 70
    2. Controlling FDW valves fail closed
  - D.
    1. 65
    2. Controlling FDW valves fail closed
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 16**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- AP/34 (Degraded Grid) in progress
- Generator output = 850 MWe and 450 MVARs
- Generator Hydrogen Pressure = 60 psig
- Generator Output Voltage = 18.2 KV

- 1) The Generator output \_\_\_ (1) \_\_\_ within the limits of the Generator Capability Curve.
- 2) If the generator exceeds the Underfrequency Maximum Allowable Time given in AP/34 (Degraded Grid) the Main Turbine \_\_\_ (2) \_\_\_ automatically trip.

Which ONE of the following completes the statements above?

### **REFERENCE PROVIDED**

- A. 1. is NOT  
2. will
  - B. 1. is NOT  
2. will NOT
  - C. 1. is  
2. will
  - D. 1. is  
2. will NOT
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 17  
(1 point)

---

Given the following Unit 3 conditions:

- A brief loss of power has occurred
- Unit auxiliaries are being supplied from the switchyard via CT-3
- Subsequent Actions tab in progress

1) Subsequent Actions directs restarting \_\_ (1) \_\_.

2) The \_\_ (2) \_\_ RCP will provide the best Pressurizer Spray.

Which ONE of the following completes the statements above?

- A. 1. one RCP ONLY  
2. 3A1
  - B. 1. one RCP ONLY  
2. 3B1
  - C. 1. one RCP per loop  
2. 3A1
  - D. 1. one RCP per loop  
2. 3B1
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 18  
(1 point)

---

In accordance with the EOP, which ONE of the following describes the instruments that are used when initially stabilizing RCS temperature following a Main Steam Line Break and states one of the reasons why they are used?

- A. Tcolds are used since Tech Specs specifies that Tcold is RCS temperature
  - B. Tcolds are used since they are the coldest temperature and therefore most indicative of PTS issues
  - C. CETC's are used since the resultant RCS cooldown may result in Tcold being off scale low
  - D. CETC's are used since they are qualified instruments and are therefore more reliable in the hostile containment environment
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 19**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Time = 1200
- Reactor power = 100%
- 1A steam generator tube leak = 2.1 gpd stable
- RCS activity = 0.25  $\mu\text{Ci/ml}$  DEI increasing

Current conditions:

- Time = 1400
- NO change in 1A SG tube leak rate
- RCS activity = 0.65  $\mu\text{Ci/ml}$  DEI increasing

Which ONE of the following describes the response of the radiation monitors between 1200 and 1400?

- A. 1RIA-59 (N-16 monitor) and 1RIA-40 (CSAE Off-gas) increased.
  - B. 1RIA-16 (Main Steam Line Monitor) and 1RIA-40 increased.
  - C. 1RIA-59 increased while 1RIA-40 remained constant.
  - D. 1RIA-16 increased while 1RIA-40 remained constant.
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 20  
(1 point)

---

Given the following Unit 2 condition:

Initial conditions:

- Time = 0900
- Reactor Startup in progress
- NI 1 & 2 = 370 cps
- NI 3 & 4 = 0 cps (out of service)
- ALL WR NI's =  $\sim 2.7 \text{ E-4}\%$

Current conditions:

- Time = 0901
- NI 1 & 2 are inoperable

Which ONE of the following describes:

1) immediate actions required by Tech Spec 3.3.9 (Source Range Neutron Flux)?

2) the reason for the actions described above?

- A.     1. Insert Control Rods to Group 1 at 50% withdrawn  
       2. Prevents power increases when the primary power indication for the operator is not available.
- B.     1. Insert Control Rods to Group 1 at 50% withdrawn  
       2. 2 dpm Startup Rate Control Rod Out Inhibit is no longer available
- C.     1. Fully insert all Control Rods  
       2. Prevents power increases when the primary power indication for the operator is not available.
- D.     1. Fully insert all Control Rods  
       2. 2 dpm Startup Rate Control Rod Out Inhibit is no longer available
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 21  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 92% decreasing
- Unit shutdown in progress per the SGTR tab

1) In accordance with the SGTR tab and Enclosure 5.5 (Pzr and LDST Level Control), RCS makeup and letdown will be adjusted to maintain Pressurizer level between \_\_\_ (1) \_\_\_ inches.

2) The reason for this Pzr level band is to provide adequate inventory to \_\_\_ (2) \_\_\_.

Which ONE of the following completes the statements above?

- A.     1. 140 – 180  
       2. ensure Pzr heaters will remain covered if a subsequent reactor trip occurs
- B.     1. 140 – 180  
       2. accommodate system shrinkage during shutdown/cooldown from 18% power
- C.     1. 220 – 260  
       2. ensure Pzr heaters will remain covered if a subsequent reactor trip occurs
- D.     1. 220 – 260  
       2. accommodate system shrinkage during shutdown/cooldown from 18% power
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 22**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 100%

Which ONE of the following will result in an AUTOMATIC trip of the Main Turbine?

- A. Bearing Oil Pressure = 5.5 psig
  - B. Main Turbine speed = 1955 RPM
  - C. EHC Hydraulic Oil pressure = 1210 psig
  - D. EITHER Steam Generator Level = 93% OR
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 23  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- 1A GWD tank release in progress
- 1RIA-38 OOS

Current conditions:

- Maintenance activities in the area result in an inadvertent loss of power to RM-80 skid of 1RIA-37
- 1SA8/B9 RM PROCESS MONITOR RADIATION HIGH in alarm
- 1SA8/B10 RM PROCESS MONITOR FAULT in alarm

- 1) 1GWD-4 (A GWD TANK DISCHARGE) should \_\_(1)\_\_.
- 2) The required Completion Time in SLC 16.11.3 (Radioactive Effluent Monitoring Instrumentation) for suspending the release by this pathway if not already isolated and both 1RIA-37 and 1RIA-38 become inoperable is \_\_(2)\_\_.

Which ONE of the following completes the statements above?

- A.
    1. remain open
    2. immediately
  - B.
    1. automatically close
    2. immediately
  - C.
    1. remain open
    2. 1 hour
  - D.
    1. automatically close
    2. 1 hour
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 24**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 2%
- 1SA2/B11 (ICS AUTO POWER FAILURE) actuated
- 1SA2/B13 (ICS HAND POWER FAILURE) actuated

Which ONE of the following describes:

- 1) the level at which SGs will be maintained?
  - 2) how decay heat removal from the core is controlled?
- A.     1. 25 inches SUR  
          2. ADVs
- B.     1. 30 inches XSUR  
          2. ADVs
- C.     1. 25 inches SUR  
          2. TBVs
- D.     1. 30 inches XSUR  
          2. TBVs
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 25**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Switchyard isolation occurs

Current conditions:

- Shutdown of KHU's is desired

Which ONE of the following states:

1) if a Load Shed has occurred?

2) the procedure that will be used to perform a remote shutdown of the KHU's?

- A.     1. Yes  
       2. OP/0/A/2000/041 (Keowee Modes of Operations)
- B.     1. No  
       2. OP/0/A/2000/041 (Keowee Modes of Operations)
- C.     1. Yes  
       2. OP/0/A/1106/019 (Keowee Hydro At Oconee)
- D.     1. No  
       2. OP/0/A/1106/019 (Keowee Hydro At Oconee)
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 26**  
(1 point)

---

Given the following Unit 1 conditions:

- ES 1-8 have actuated
- LOCA CD tab in progress
- RCS pressure = 423 psig slowly decreasing
- 1A LPI Pump operating in the Piggyback alignment

Which ONE of the following describes the:

1) operational limitations on the operating LPI pump?

2) pump(s) being protected by the above limitation?

- A.
    1. Maximized to < 3100 gpm
    2. LPI
  - B.
    1. Maximized to < 3100 gpm
    2. HPI
  - C.
    1. Maximized to < 2900 gpm
    2. LPI
  - D.
    1. Maximized to < 2900 gpm
    2. HPI
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 27  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor trip from 100% due to a SBLOCA
- Reactor building pressure has peaked at 1.7 psig
- Subcooled margins are stable as indicated below

LOOP A SUBCOOLING MARGIN (F)	CORE SUBCOOLING MARGIN (F)	CORE SUBCOOLING MARGIN (F)	LOOP B SUBCOOLING MARGIN (F)
12	8	6	0

Which ONE of the following describes how Feedwater will be used to mitigate this event?

Steam Generator levels will be controlled at \_\_\_\_\_?

- A. 240 inches using Emergency Feedwater
  - B. 240 inches using Main Feedwater
  - C. Loss of Subcooling Margin setpoint using Emergency Feedwater
  - D. Loss of Subcooling Margin setpoint using Main Feedwater
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 28**  
(1 point)

---

Which ONE of the following describes:

- 1) the design purpose of extending RCP coast down time with the flywheel?
  - 2) an expected core delta T (°F) 30 minutes following a lockout of 1TA and 1TB?
- A.     1. Helps prevent the core from reaching DNBR limits  
       2. 35
- B.     1. Helps prevent the core from reaching DNBR limits  
       2. 47
- C.     1. Reduces the likelihood of a Reactor trip following a RCP trip at power  
       2. 35
- D.     1. Reduces the likelihood of a Reactor trip following a RCP trip at power  
       2. 47
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 29**  
(1 point)

---

- 1) The Letdown Storage Tank contains approximately \_\_ (1) \_\_ gallons of water per inch of level.
- 2) The HIGHER Letdown Storage Tank level that will automatically open 1HP-24 and 1HP-25 is \_\_ (2) \_\_ inches.

Which ONE of the following completes the statements above?

- A.     1. 24  
          2. 38
  - B.     1. 24  
          2. 54
  - C.     1. 31  
          2. 38
  - D.     1. 31  
          2. 54
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 30**  
(1 point)

---

Given the following Unit 2 conditions:

- RCS Cooldown in progress
- 2B LPI cooler isolated due to cooler leak

Which ONE of the following states the:

- 1) LPI Decay Heat Removal mode that will be used for the INITIAL transition to LPI cooling?
- 2) HIGHER RCS pressure (psig) that will allow aligning LPI in the Normal Decay Heat Removal alignment?

- A.
    1. Switchover
    2. 220
  - B.
    1. High Pressure
    2. 220
  - C.
    1. Switchover
    2. 115
  - D.
    1. High Pressure
    2. 115
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 31  
(1 point)

---

Given the following Unit 1 conditions:

- Rule 3 initiated
- Loss of Heat Transfer tab in progress
- Efforts underway to re-establish Steam Generator cooling
- 1SA-18/D1 (RC SYSTEM APPROACHING SATURATED CONDITIONS) in alarm
- 1SA-2/D3 (RC PRESS HIGH/LOW) in alarm
- Pressurizer level = 380" slowly increasing
- RCS pressure = 2240 psig slowly increasing
- SCM = 0°F

Which ONE of the following states which additional EOP Rules (if any) should be initiated?

- A. NO additional rules required
  - B. Rule 2 (Loss of SCM) ONLY
  - C. Rule 4 (Initiation of HPI Forced Cooling) ONLY
  - D. Rule 2 AND Rule 4
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 32  
(1 point)

---

Given the following Unit 2 condition:

Initial conditions:

- Unit startup in progress
- RCS temperature = 310°F slowly increasing
- Maintenance in progress in the area of 2DIB panelboard

Current conditions:

- 2DIB breaker #24 (2RC-66 Pilot Valve DC solenoid power supply) is inadvertently opened

Which ONE of the following describes:

1) a Tech Spec Limiting Condition of Operation that is NOT met?

2) the position of 2RC-66?

- A.     1. 3.4.9 (Pressurizer)  
       2. Open
- B.     1. 3.4.9 (Pressurizer)  
       2. Closed
- C.     1. 3.4.12 (LTOP)  
       2. Open
- D.     1. 3.4.12 (LTOP)  
       2. Closed
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 33**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions

- Loss of all Feedwater
- HPI forced cooling initiated
- Quench Tank pressure = 40 psig increasing
- RCS activity indicates no fuel failures present

Current conditions

- Quench Tank pressure = 3 psig stable

Which ONE of the following describes the:

- 1) reactor building RIA's response to the above conditions?
- 2) valve(s) that will automatically close anytime 1RIA-49 reaches its HIGH alarm setpoint?

- A.     1. increases  
       2. 1LWD-1 AND 1LWD-2
- B.     1. remains constant  
       2. 1LWD-1 AND 1LWD-2
- C.     1. increases  
       2. 1LWD-2 ONLY
- D.     1. remains constant  
       2. 1LWD-2 ONLY
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 34**  
(1 point)

---

Given the following Unit 1 conditions:

- 1SA-08/B-9 (PROCESS MONITOR RADIATION HIGH)
- 1RIA-50 in HIGH alarm
- CC Surge Tank level increasing

1) The CC Surge tank \_\_ (1) \_\_.

2) If the RCS leakage threatens to overflow the associated waste tank, AP/1/A/1700/002 (Excessive RCS Leakage) will direct \_\_ (2) \_\_.

Which ONE of the following completes the statements above?

- A.
    1. will overflow to the LAWT
    2. tripping the Reactor
  - B.
    1. will overflow to the LAWT
    2. initiating a shutdown using AP/1/A/1700/029 (Rapid Unit Shutdown)
  - C.
    1. will overflow to a floor drain which drains to the MWHUT
    2. tripping the Reactor
  - D.
    1. will overflow to a floor drain which drains to the MWHUT
    2. initiating a shutdown using AP/1/A/1700/029 (Rapid Unit Shutdown)
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 35  
(1 point)

---

Which ONE of the following states the automatic OPEN setpoints (psig) for 1RC-1 (Pzr Spray) and 1RC-66 (PORV) in Mode 1?

**1RC-1**   **1RC-66**

- A.     2205   2450
  - B.     2205   2500
  - C.     2255   2450
  - D.     2255   2500
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 36**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 100%
- 1D RPS channel in Manual Bypass
- 1A RPS Thot RTD fails low

Which ONE of the following:

- 1) describes ALL 1A RPS functions affected by the failure?
  - 2) states if OP/1/A/1105/014 (Control Room Instrumentation Operation And Information) requires tripping the 1A RPS channel?
- A.     1. RCS High Outlet Temperature ONLY  
       2. yes
- B.     1. RCS High Outlet Temperature ONLY  
       2. no
- C.     1. RCS High Outlet Temperature and RCS Variable Low Pressure  
       2. yes
- D.     1. RCS High Outlet Temperature and RCS Variable Low Pressure  
       2. no
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 37**  
(1 point)

---

Which ONE of the following describes how RCS Pressure signals are used to provide control signals to the Integrated Control System?

- A. Median Selected from one wide range pressure and two channels of RPS narrow range pressure (A and B)
  - B. Median Selected from three channels of RPS narrow range pressure (A, B, and E)
  - C. 2nd Max Selected from RPS narrow range pressures (A, B, C, & D)
  - D. 2nd Min Selected from RPS narrow range pressures (A, B, C, & D)
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 38**  
(1 point)

---

Given the following Unit 2 conditions:

Initial conditions:

- Reactor power = 100%

Current conditions:

- MSLB occurs
- RCS pressure = 1580 psig slowly increasing
- RB peak pressure = 2.8 psig

Which ONE of the following describes a valve that has received a signal to CLOSE?

- A. 2CC-7
  - B. 2HP-24
  - C. 2LWD-2
  - D. 2LPSW-1062
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 39  
(1 point)

---

Given the following plant conditions:

Time = 1200

- Unit 1 Reactor power = 100%
- Unit 2 Reactor power = 100%
- ACB-4 closed

Time = 1201

- LOCA occurs on Unit 1
- Switchyard Isolation occurs

Which ONE of the following states the source of power being used to energize 1DIA at Time = 1202?

- A. Control Batteries
  - B. KHU-1
  - C. KHU-2
  - D. CT-5
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 40**  
(1 point)

---

Given the following Unit 2 conditions:

Time = 1200

- Reactor in MODE 5
- LPI aligned to normal Decay Heat Removal mode
- 2RIA-35 (Combined LPSW effluent leaving the Reactor Building and the Auxiliary Building) is isolated for repair

Time = 1300

- Large LPI Cooler leak in 2A LPI Cooler occurs

Time = 1500

- Actions to isolate the 2A LPI Cooler are initiated
- RCS temperature slowly increasing

1) At Time = 1330 there \_\_ (1) \_\_ an RIA alarm indicating the LPI Cooler leak?

2) Entry into MODE 4 will occur when RCS temperature exceeds \_\_ (2) \_\_ °F?

Which ONE of the following completes the statements above?

- A. 1. is  
2. 200
  - B. 1. is  
2. 250
  - C. 1. is NOT  
2. 200
  - D. 1. is NOT  
2. 250
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 41  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor is in MODE 5
- RB Purge in progress
- Unit 1 vent activity increasing
- 1RIA-45 HIGH alarm fails to actuate at setpoint

- 1) Automatic termination of RB Purge operation due to increasing activity \_\_ (2) \_\_ available?
- 2) Purge operation \_\_ (1) \_\_ be allowed if the unit were in MODE 4.

Which ONE of the following completes the statements above?

- A.
    1. is
    2. would
  - B.
    1. is
    2. would NOT
  - C.
    1. is NOT
    2. would
  - D.
    1. is NOT
    2. would NOT
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 42**  
(1 point)

---

Given the following Unit 1 conditions:

- 1A LPSW Pump trips
- Standby LPSW pump fails to start

Which ONE of the following will begin to increase in temperature?

**ASSUME NO MANUAL ACTIONS ARE TAKEN**

- A. Letdown
  - B. Spent Fuel Pool
  - C. Main Feedwater Pump oil temperature
  - D. Primary Instrument Air Compressor discharge air temperature
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 43**  
(1 point)

---

Which ONE of the following is the power supply for the Unit 2 Auxiliary Instrument Air System compressor?

- A. 2XD
  - B. 2XF
  - C. 2XP
  - D. 2XS1
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 44**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor Power = 100%
- 1A MSLB inside containment

Current conditions:

- Core SCM = 18°F stable
- RB Pressure = 17 psig slowly decreasing

Which ONE of the following sets of actions is required by Enclosure 5.1 (ES Actuation)

- A. Take ES Channel 1 to manual AND open 1HP-20
  - B. Take ES Channel 1 to manual AND open 1HP-3
  - C. Override Odd Voters AND open 1HP-20
  - D. Override Odd Voters AND open 1HP-3
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 45**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor Power = 100%

Which ONE of the following:

- 1) describes the LOWER SG Operating Range level (%) that will result in an automatic trip of both Main Feedwater pumps?
- 2) states if SG Operating Range level indications are temperature compensated?

- A.     1. 87  
       2. No
- B.     1. 87  
       2. Yes
- C.     1. 97  
       2. No
- D.     1. 97  
       2. Yes
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 46**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 50% slowly decreasing
- OAC Unavailable
- Computer Reactor Calculation Package NOT running

Which ONE of the following:

- 1) is the HIGHER power level (% Power) at which Tech Spec limits on Reactor Power Imbalance do NOT apply?
- 2) describes how OP/1/A/1105/014 (Control Room Instrumentation Operation And Information) directs the operator to determine if Imbalance limits specified in the COLR have been exceeded?

- A.
    1. 35
    2. by use of CR gages for Power Range NI's
  - B.
    1. 35
    2. by performing PT/1/A/1103/019 (Backup Incore Detector System)
  - C.
    1. 15
    2. by use of CR gages for Power Range NI's
  - D.
    1. 15
    2. by performing PT/1/A/1103/019 (Backup Incore Detector System)
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 47**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Mode 6
- REFUELING is in progress
- All four SR NIs in service
- SR 1NI-1 and SR 1NI-3 are the designated NIs for Fuel Handling

Current conditions:

- Power supply to SR 1NI-1 fails (0 vdc)

Which ONE of the following describes the impact on refueling activities in accordance with OP/1/A/1502/007 (Operations Defueling/Refueling Responsibilities)?

- A. Allowed to continue because two other SR NIs remain in service
  - B. Allowed to continue because SR NI-3 is still in service
  - C. Required to be stopped until another SR NI is designated because other NIs are procedurally allowed to be designated
  - D. Required to be stopped and cannot be resumed until SR 1NI-1 is returned to service because other NIs are NOT procedurally allowed to be designated
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 48**  
(1 point)

---

Given the following Unit 1 conditions:

Time = 1200

- Reactor Power = 40% stable following an instrument failure
- Turbine Header Pressure = 860 psig stable
- Feedwater, Reactor, and Main Turbine in Manual

Time = 1300

- ICS in Automatic
- Turbine Header Pressure = 860 psig stable

Time = 1301

- Reactor Trips prior to any additional Turbine Header Pressure setpoint adjustments

Which ONE of the following is the pressure (psig) where the Turbine Bypass Valves will automatically control Steam Generator pressure?

- A. 885
  - B. 910
  - C. 985
  - D. 1010
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 49**  
(1 point)

---

Given the following Unit 1 conditions:

Time = 1200:00

- Reactor power = 80% stable
- 1A and 1B CBP operating

Time = 1201:00

- 1A CBP trips
- Feedwater Pump suction pressure = 225 psig slowly decreasing

Time = 1203:00

- Feedwater Pump suction pressure = 220 slowly increasing

Which ONE of the following describes the:

- 1) runback rate (%/min) inserted at Time = 1201:00 to ICS?
- 2) procedure that will be directed by the CRS at Time = 1203:00?

- A.     1. 15  
       2. AP/1/A/1700/001 (Unit Runback)
- B.     1. 15  
       2. EOP
- C.     1. 20  
       2. AP/1/A/1700/001 (Unit Runback)
- D.     1. 20  
       2. EOP
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 50  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor power = 100%
- Primary to Secondary leakage of 10 gpd has just been detected
- AP/1/A/1700/031 (Primary to Secondary Leakage) has been initiated

- 1) In accordance with AP/31, opening the Turbine Building Sump (TSP) pump breakers prior to being ready to hang White Tags on the TBS pump breakers \_\_\_(1)\_\_\_ allowed.
- 2) A sustained loss of power to 1RIA-54 will trip BOTH Turbine Building Sump Pumps \_\_\_(2)\_\_\_.

Which ONE of the following completes the statements above?

- A.
    1. is NOT
    2. after a 2 minute timer
  - B.
    1. is NOT
    2. immediately
  - C.
    1. is
    2. after a 2 minute timer
  - D.
    1. is
    2. immediately
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 51  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Time = 1200
- 1A GWD tank pressure = 68 psig stable

Current conditions:

- Time = 1205
- 1A GWD tank pressure = 18 psig rapidly decreasing
- Various Aux Building RIA's in alarm
- 1RIA-1 (Control Room Monitor) in HIGH alarm
- 1RIA-39 (CNTL RM Gas) in HIGH alarm
- AP/1/A/1700/018 (Abnormal Release of Radioactivity) in progress
- A and B Outside Air Booster Fans have been started

Which ONE of the following:

- 1) states if 1RIA-1 has a local alarm (do not count associated statalarm(s))?
- 2) describes the areas being provided outside air via the Outside Air Booster Fans?

- A.     1. Yes  
       2. Control Room ONLY
- B.     1. No  
       2. Control Room ONLY
- C.     1. Yes  
       2. Control Room, Cable Rooms, and the Equipment Rooms
- D.     1. No  
       2. Control Room, Cable Rooms, and the Equipment Rooms
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 52  
(1 point)

---

1RIA-59 setpoints are set by \_\_ (1) \_\_ and the MINIMUM power level at which 1RIA-59 is used to determine SGTL rate is \_\_ (2) \_\_ (% power) in accordance with the EOP.

Which ONE of the following completes the statement above?

- A.     1. I&E  
       2. 20
  
  - B.     1. I&E  
       2. 40
  
  - C.     1. ROs  
       2. 20
  
  - D.     1. ROs  
       2. 40
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 53**  
(1 point)

---

Which ONE of the following states all of the switchgear that can supply power to the B LPSW pump?

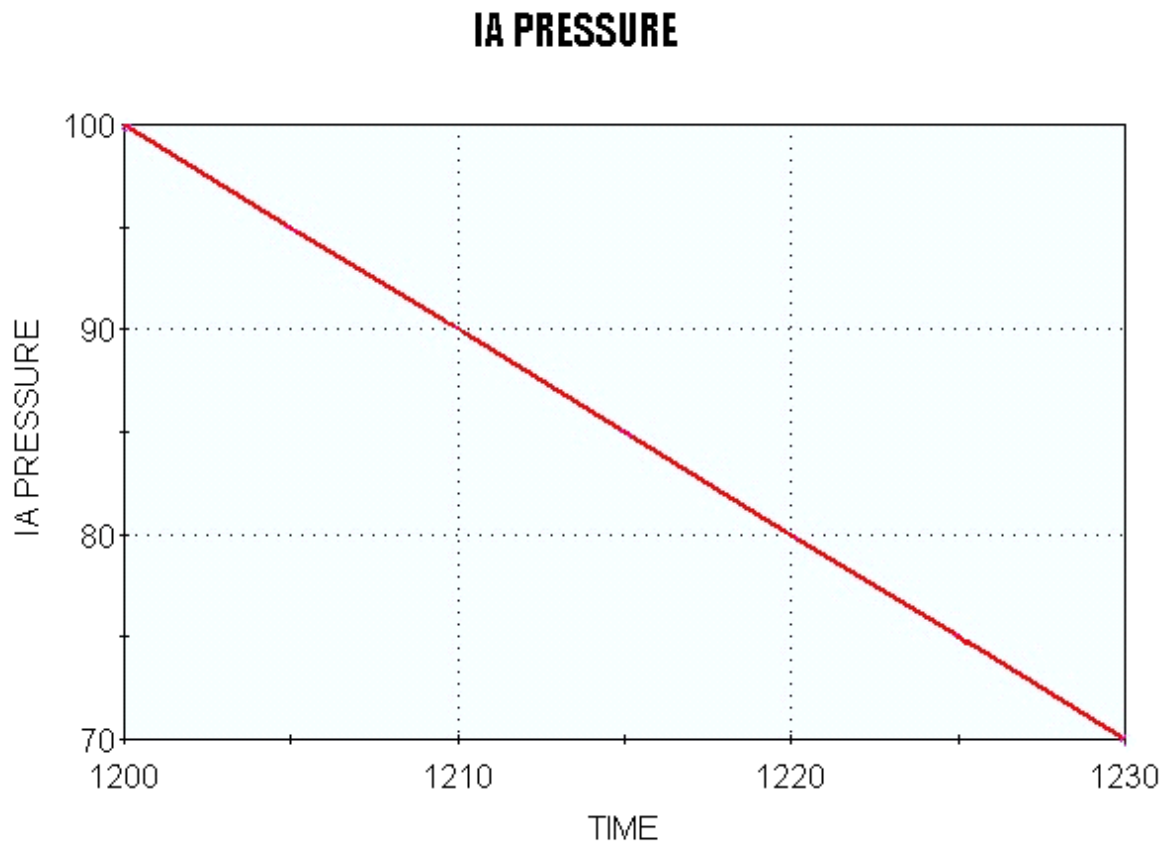
- A. 1TD ONLY
  - B. 2TC ONLY
  - C. 1TC or 2TD
  - D. 1TD or 2TD
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 54  
(1 point)

---



Based on the graph above, which ONE of the following describes the EARLIEST time at which SA-141 (SA to IA Controller) will automatically open?

- A. 1207
  - B. 1210
  - C. 1212
  - D. 1215
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 55  
(1 point)

---

Which ONE of the following describes what should be used in the case of a large Hydrogen leak to maintain Hydrogen concentration below the lower flammability limit in accordance with OP/1/A/1106/017 (Hydrogen System)?

- A. CO2
  - B. Water
  - C. Halon
  - D. Foam fire retardant
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 56  
(1 point)

---

Which ONE of the following is the LOWER limit on RCS activity that would require entry into AP/21 (RCS Activity)?

- A. Xe-133 = 0.25  $\mu\text{Ci/gm}$
  - B. Xe-133 = 1.0  $\mu\text{Ci/gm}$
  - C. DEI = 0.25  $\mu\text{Ci/gm}$
  - D. DEI = 1.0  $\mu\text{Ci/gm}$
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 57**  
(1 point)

---

Which ONE of the following activities complies with guidance contained in SOMP 1-2 (Reactivity Management)?

- A. Manual rod withdrawal during a Feedwater transient to stop a temperature decrease caused by an instrument failure
  - B. Manually increasing Feedwater flow to stop an RCS pressure increase caused by an RCS temperature increase
  - C. Manually raising one Loop FDW demand while lowering the other Loop FDW demand to control  $\Delta T_{cold}$  following an RCP trip
  - D. Manually increasing turbine demand to adjust RCS temperature
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 58**  
(1 point)

---

Which ONE of the following tags would be used ONLY for configuration control of 1HP-409 in accordance with NSD-500 (Red Tags/Configuration Control Tags)?

- A. White Tag
  - B. MORT Tag
  - C. OORT Tag
  - D. CORT Tag
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 59**  
(1 point)

---

Given the following Unit 1 condition:

- Reactor in MODE 1

Which ONE of the following is the MINIMUM Pressurizer level (inches) that would require declaring Tech Spec 3.4.9 (Pressurizer) LCO NOT met in accordance with PT/1/A/0600/001 (Periodic Instrument Surveillance)?

- A. 240
  - B. 260
  - C. 285
  - D. 340
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 60  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor trip due to loss of both Main FDW pumps
- Instrument Air pressure = 0 psig
- Auxiliary Instrument Air pressure= 0 psig

Which ONE of the following describes the status of 1FDW-315 and 1FDW-316?

- A. Available for Manual operation ONLY once the air supply was lost
  - B. Will be available for Automatic operation for a MINIMUM of 30 minutes from the loss of air supply
  - C. Will be available for Automatic operation for a MINIMUM of 1 hour from the loss of air supply
  - D. Will be available for Automatic operation for a MINIMUM of 2 hours from the loss of air supply
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 61  
(1 point)

---

Given the following Unit 2 conditions:

Initial conditions:

- Time = 1200
- RCS temperature = 92°F stable
- RB Purge in progress
- 2RIA-45 HIGH alarm setpoint = 1520 cpm
- 2RIA-45 = 1342 cpm stable

Current conditions:

- Time = 1205
- 2RIA-45 = 1520 cpm increasing

Which ONE of the following describes:

- 1) ALL valves that will CLOSE?
- 2) 2RIA-46 reading (cpm) at time = 1200?

- A.
    1. 2PR-1 through 2PR-6
    2. Zero
  - B.
    1. 2PR-1 through 2PR-6
    2. 1342
  - C.
    1. 2PR-2 through 2PR-5 ONLY
    2. Zero
  - D.
    1. 2PR-2 through 2PR-5 ONLY
    2. 1342
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 62**  
(1 point)

---

Given the following plant conditions:

- Venting the 1C LPI Pump in progress using the following RWP information:
  - Dose Alarm : 25 mrem
  - Dose Rate Alarm: 200 mrem/hr
  - Dose Alarm: Stop work - Exit Area - Notify RP
  - Unanticipated Dose Rate Alarm: Stop Work - Exit Area - Notify RP

Which ONE of the following states the MAXIMUM time work can continue before complying with the RWP will require exiting the area?

**SEE PLAN VIEW PROVIDED**

**Do NOT consider dose received while traveling to or from the job.**

- A. 15 minutes
  - B. 30 minutes
  - C. 2 hours
  - D. 4 hours
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 63**  
(1 point)

---

Of the two tabs below, the \_\_ (1) \_\_ tab of the EOP has a higher priority because \_\_ (2) \_\_.

Which ONE of the following completes the statement above?

- A.
    - 1. LOSCM
    - 2. prompt actions are required to ensure core cooling is maintained
  - B.
    - 1. LOSCM
    - 2. actions to initiate HPI injection are required prior to the RCS void fraction reaching 70%.
  - C.
    - 1. SGTR
    - 2. a Reactor trip with a SGTR results in a direct release path for radionuclides to the environment
  - D.
    - 1. SGTR
    - 2. actions to depressurize RCS to minimize SCM during a SGTR is a Time Critical Action that may not otherwise be met
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 64**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor Power = 70%

Which ONE of the following would require entry into the EOP?

- A. Condenser vacuum = 22.3" hg
  - B. 1RIA-59 = 31.4 gpm
  - C. 1B Main FDW pump trips
  - D. 1A1 RCP trips
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 65**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- 1KVIA Panelboard de-energized

Current conditions:

- MSLB inside the Reactor Building occurs
- Lowest RCS pressure = 1137 psig
- Reactor Building Pressure peaked at 32 psig

Which ONE of the following describes ALL ES Actuation Logic Channels that have actuated?

- A. 1, 3, 5, 7
  - B. 2, 4, 6, 8
  - C. 1, 5, 7 ONLY
  - D. 2, 6, 8 ONLY
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 66**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Time = 1200
- Reactor Power = 100%
- 1A MSLB inside the Reactor Building

Current conditions:

- Time = 1201
- Reactor Building Pressure = 3 psig increasing

Which ONE of the following describes the operation of 1LPSW-18?

- A. It is NORMALLY fully open however it will receive a signal to open from ES-5 at 1201
  - B. It is NORMALLY throttled and will go fully open when it receives a signal to open from ES-5 at 1201
  - C. It is NORMALLY fully open however it will receive a signal to open from ES-5 at 1204
  - D. It is NORMALLY throttled and will go fully open when it receives a signal to open from ES-5 at 1204
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 67**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 50%

Current conditions:

- LBLOCA occurs
- 1TD de-energized
- 1B RBCU switch in OFF

Which ONE of the following describes the status of the below listed Reactor Building Cooling Units five (5) minutes after ES actuates?

**ASSUME NO OPERATOR ACTIONS**

	<u>1B RBCU</u>	<u>1C RBCU</u>
A.	LOW	LOW
B.	LOW	OFF
C.	OFF	LOW
D.	OFF	OFF

---

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 68  
(1 point)

---

Given the following plant conditions:

- SBLOCA has occurred on Unit 1
- Reactor Building Pressure = 11.2 psig slowly decreasing
- Unit 2 Reactor Power = 100%

Which ONE of the following describes the actions directed (if any) by Enclosure 5.1 (ES Actuation) to ensure the required LPSW flow exists in the 1A LPI cooler?

- A. Place 1LPSW-251 in "Failed Open" ONLY
  - B. Place 1LPSW-251 in "Failed Open" AND fully open 1LPSW-4
  - C. Place 1LPSW-251 in "Failed Open" AND Throttle LPSW flow to approximately 3000 gpm using 1LPSW-4
  - D. Place 1LPSW-251 in "Failed Open" AND Throttle LPSW flow to approximately 5200 gpm using 1LPSW-4
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 69**  
(1 point)

---

Given the following Unit 1 conditions:

Initial conditions:

- Reactor power = 100%
- Loss of offsite power occurs

Current conditions:

- Main Feeder Buses remain de-energized

1) The position of 1MS-112 (SSRH Control) is \_\_(1)\_\_\_.

2) 1MS-77 (MS to MSRH) \_\_(2)\_\_\_ be operated from the control room switch.

Which ONE of the following completes the statements above?

- A.     1. open  
       2. can
  
  - B.     1. closed  
       2. can
  
  - C.     1. open  
       2. can NOT
  
  - D.     1. closed  
       2. can NOT
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 70  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor Power = 50%
- 1A Turbine Bypass Valve fails OPEN

Which ONE of the following describes the plant response?

### **ASSUME NO OPERATOR ACTIONS**

Reactor power will...

- A. Increase then return to pre-transient level.
  - B. Increase and stabilize at a higher power level.
  - C. Decrease then return to pre-transient level.
  - D. Decrease and stabilize at a lower power level.
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 71**  
(1 point)

---

Given the following Unit 1 conditions:

- Reactor Power = 80% stable
- ICS in Manual
- 1B Main Feedwater Pump trips

Which ONE of the following is the MAXIMUM power level allowed in accordance with AP/1 (Plant Runback).

- A. 74%
  - B. 65%
  - C. 60%
  - D. 55%
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 72  
(1 point)

---

Given the following Unit 3 conditions:

Initial conditions:

- Reactor tripped from 35% power due to 3TA lockout
- 3A Main FDW pump operating
- 3FDW-35 & 3FDW-44 (3A and 3B Startup FDW Control) in MANUAL
- 3A and 3B SG levels = 38" SU and stable

Current conditions:

- 3FDW-35 & 44 are placed in Automatic

Which ONE of the following describes the response of 3FDW-35 & 44?

- A. Travel open to increase SG levels to 240" XSUR.
  - B. Travel open to increase SG levels to 50% on Operating level.
  - C. Travel closed to decrease SG level to 30" on XSUR.
  - D. Travel closed to decrease SG level to 25" on SU level.
-



# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 73**  
(1 point)

---

Which ONE of the following describes the:

- 1) primary concern at ONS regarding Main Feedwater backleakage into the EFDW discharge piping?
  - 2) method used to determine if Main Feedwater backleakage into the EFDW discharge piping is occurring?
- 
- A.
    1. Vapor binding of the EFDW pumps
    2. locally monitoring EFDW pump discharge piping for increasing temperature
  - B.
    1. Vapor binding of the EFDW pumps
    2. Monitoring EFDW temperature OAC points for increasing temperature
  - C.
    1. Overpressurizing the EFDW system piping
    2. locally monitoring EFDW pump discharge piping for increasing temperature
  - D.
    1. Overpressurizing the EFDW system piping
    2. Monitoring EFDW temperature OAC points for increasing temperature
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

Question: 74  
(1 point)

---

Given the following plant conditions:

- No Keowee Units are operating
- ACB-3 closed

- 1) KHU 1X switchgear is being powered from \_\_ (1) \_\_.
- 2) Keowee control power will be available for a MINIMUM of approximately \_\_ (2) \_\_ hour(s) following a loss of ALL AC power.

Which ONE of the following completes the statements above?

- A.
    1. 1TC
    2. one
  - B.
    1. 1TC
    2. four
  - C.
    1. the 230 KV switchyard
    2. one
  - D.
    1. the 230 KV switchyard
    2. four
-

# Oconee Nuclear Station

## *ILT44 ONS RO NRC Examination*

**Question: 75**  
(1 point)

---

Given the following plant conditions:

- 3CA Battery Charger fails - output voltage = 0 VDC
- 3CA Battery voltage = 120 VDC
- 3DCB Bus voltage = 123 VDC
- Unit 1 DCA/DCB Bus voltage = 125 VDC
- Unit 2 DCA/DCB Bus voltage = 127 VDC

Which ONE of the following will automatically supply power to 3DIA panelboard?

- A. 3CA Battery
  - B. Unit 1 DC Bus
  - C. 3DCB Bus
  - D. Unit 2 DC Bus
-

## *Examination KEY for: ILT44 ONS RO NRC Examina*

<i>Question Number</i>	<i>Answer</i>
----------------------------	---------------

---

1	B
2	B
3	C
4	C
5	B
6	A
7	D
8	B
9	A
10	A
11	A
12	C
13	D
14	C
15	B
16	C
17	D
18	D
19	B
20	C
21	D
22	A
23	B
24	B
25	D

## *Examination KEY for: ILT44 ONS RO NRC Examina*

<i>Question Number</i>	<i>Answer</i>
----------------------------	---------------

---

26	A
27	C
28	A
29	C
30	D
31	D
32	D
33	C
34	A
35	A
36	C
37	B
38	C
39	C
40	A
41	B
42	A
43	C
44	A
45	D
46	A
47	C
48	C
49	D
50	D

## *Examination KEY for: ILT44 ONS RO NRC Examina*

<i>Question Number</i>	<i>Answer</i>
----------------------------	---------------

---

51	B
52	B
53	D
54	D
55	B
56	C
57	C
58	A
59	B
60	D
61	C
62	A
63	A
64	B
65	B
66	B
67	B
68	B
69	D
70	A
71	B
72	D
73	A
74	A
75	B