



H.B. Robinson

ILC-13 NRC Licensing Exam
RO Written Exam

Final Submittal



U.S. Nuclear Regulatory Commission

Site-Specific RO Written Examination

Applicant Information

Name:

Date:

Facility/Unit:

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

_____ Points

Applicant's Score

_____ Points

Applicant's Grade

_____ Percent

Name: _____

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Form: 0

Version: 0

1. Given the following plant conditions:

- Plant is at 100% RTP
- RCS pressure is 2280 psig
- PC-444J, PZR PRESSURE, is in Automatic at 65% output
- PCV-455A, PZR SPRAY 444G, controller is in Automatic at 25% output
- PCV-455C, PZR PORV, partially opens
- The OAC takes action and manually closes PCV-455C
- NO** further operator actions have been taken
- Current RCS pressure is 2150 psig

Which ONE (1) of the following completes the statements below?

PCV-455A, PZR SPRAY 444G, controller output indication currently reads ____ (1) ____ .
PC-444J output indication currently reads ____ (2) ____ .

- A. (1) 25%
(2) 65%
- B. (1) 25%
(2) 0
- C. (1) 0
(2) 65%
- D. (1) 0
(2) 0

2. Given the following plant conditions:

- "A" EDG is OOS

- Reactor power is at 100% RTP

Subsequently:

- A fault on 4Kv bus 2 leads to a reactor trip

- Upon the reactor trip, a small break LOCA occurs

- The crew is in EOP-E-1, LOSS OF REACTOR OR SECONDARY COOLANT

- CETC's read 547°F

- Max. CV pressure reached was 3.4 psig

- RCS Wide Range Pressure reads 1292 psig

Which ONE (1) of the following completes the statements below?

The RCS subcooling is (1) . Based off the indications above, RCP trip criteria for EOP-E-1 Foldout is (2) .

A. (1) 29.6°F
(2) **NOT** met

B. (1) 31°F
(2) met

C. (1) 29.6°F
(2) met

D. (1) 31°F
(2) **NOT** met

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3. Given the following plant conditions:

- A Seismic Event coincident with a Large Break LOCA has occurred
- CV pressure is currently 11 psig
- "B" CV Spray Pump has tripped
- All other ESF components operated properly
- CV Sump level is 380 inches and rising
- CV Radiation levels are <5 r/hr

FRP-J.1, RESPONSE TO HIGH CONTAINMENT PRESSURE

FRP-J.2, RESPONSE TO CONTAINMENT FLOODING

Which ONE (1) of the following completes the statements below?

Based off the indications above, the crew meets entry conditions for ____ (1) ____ . One of the Major Action Categories of this procedure is ____ (2) ____ .

- A. (1) FRP-J.1
(2) Verify Containment Isolation and Heat Removal
- B. (1) FRP-J.1
(2) Check for and Isolate Faulted Steam Generator
- C. (1) FRP-J.2
(2) Determine the radioactivity level of the sump fluid
- D. (1) FRP-J.2
(2) Try to Identify Unexpected Source of Sump Water and Isolate It if Possible

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4. Given the following plant conditions:

-The following conditions are at time 12:30:00:

-The Reactor is at 100% RTP

-All control systems are in normal alignments

-Charging flow has been rising and is currently at 50 gpm

-TI-140, REGEN HX LTDN OUTLET TEMP, is lowering

-VCT level is lowering

-The following conditions are at time 12:45:00:

-RCS Pressure is 2235 psig

-Charging pump discharge pressure is 2100 psig

Which ONE (1) of the following completes the statements below?

The leak is located (1) of the Regenerative Heat Exchanger.

The crew takes action to close HIC-121, Charging Flow, IAW AOP-018, REACTOR COOLANT PUMP ABNORMAL CONDITIONS, Section C, LOSS OF SEAL INJECTION. The purpose of doing this is to (2).

- A. (1) downstream
(2) isolate the charging line leak
- B. (1) downstream
(2) maintain minimum RCP Seal Injection Flow
- C. (1) upstream
(2) isolate the charging line leak
- D. (1) upstream
(2) maintain minimum RCP Seal Injection Flow

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5. Given the following plant conditions:

- The plant is in mid loop operation to repair a S/G primary manway leak
- RCS level is -68 inches and rising very slowly
- RHR pump "A" is in service at 3500 gpm
- The operator notices that RHR flow and pressure are oscillating

Which ONE (1) of the following completes the statement below?

IAW AOP-020, LOSS OF RESIDUAL HEAT REMOVAL (SHUTDOWN COOLING), the crew will reduce RHR flow to _____ in an attempt to stabilize the RHR oscillations.

- A. 3250 gpm
- B. 3000 gpm
- C. 2800 gpm
- D. 1500 gpm

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6. Given the following plant conditions:

-The reactor is at 100% RTP

-PI-444, CH I PRZR PRESS, reads 2310 psig and rising

-PI-455, 456 and 457, PROT CH I (II and III) PRZR PRESS, all read approximately 2210 psig and lowering

Which ONE (1) of the following completes the statements below?

To combat this, the OAC will take PC-444J to MANUAL and (1) its output to energize all PZR heaters.

After PC-444J is adjusted, PI-458, Calibration PZR Pressure, will indicate (2) psig for maximum proportional heater output.

- A. (1) raise
(2) -15
- B. (1) raise
(2) +15
- C. (1) lower
(2) -15
- D. (1) lower
(2) +15

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7. Given the following plant conditions:

- The crew attempted to trip the reactor and it failed to trip
- They are initiating emergency boration of the RCS
- The Boric Acid Pump aligned for blend failed to start

Which ONE (1) of the following completes the statement below?

To initiate emergency boration, the crew will open (1) . The emergency boration can be secured when PR Channels are <5% (2) a Negative IR Startup Rate.

- A. (1) MOV-350
(2) or
- B. (1) MOV-350
(2) and
- C. (1) LCV-115B and close LCV-115C
(2) and
- D. (1) LCV-115B and close LCV-115C
(2) or

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8. Which ONE (1) of the following identifies the reason for securing the RCP's in EOP-E-3, STEAM GENERATOR TUBE RUPTURE?

- A. Minimizes the impact upon core heat removal.
- B. It insures against possible operator misdiagnosis.
- C. Prevents excessive depletion of RCS water inventory.
- D. Prevents the possibility of RCP motor overspeed and catastrophic failure.

9. Given the following plant conditions:

-The reactor is at 50% RTP

-A small steam line leak has been reported

-The CRS implements Attachment 10.4, CONTROL BAND AND TRIP LIMIT GUIDANCE, from OMM-022, EMERGENCY OPERATING PROCEDURES USER'S GUIDE

-APP-006-A2, S/G A STM>FW FLOW is in alarm

IAW Attachment 10.4, at what NR S/G level is the crew required to manually trip the reactor?

A. 16%

B. 21%

C. 30%

D. 35%

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10. Given the following plant conditions:

-The reactor is at 100% RTP

-A large Feedwater Line Break occurs at the piping connection to S/G "A" inside the CV

Which ONE (1) of the following completes the statements below?

Prior to the Reactor trip, RCS Tavg will ____ (1) _____. The reactor will automatically trip on ____ (2) _____.

- A. (1) rise
(2) Low-Low S/G level
- B. (1) lower
(2) Low-Low S/G level
- C. (1) rise
(2) Low S/G Level with Steam Flow > Feed Flow
- D. (1) lower
(2) Low S/G Level with Steam Flow > Feed Flow

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11. Given the following plant conditions:

-The crew has just finished their immediate actions of EPP-1, LOSS OF ALL AC POWER

-Narrow Range S/G levels are all 6%

-Total FW Flow to the S/G's is 500 GPM

Which ONE (1) of the following completes the statements below?

CSFST's (1) being monitored for information only. A red path (2) exist on CSF-3, HEAT SINK.

A. (1) are **NOT**
(2) does **NOT**

B. (1) are
(2) does **NOT**

C. (1) are **NOT**
(2) does

D. (1) are
(2) does

12. Given the following plant conditions:

- A Loss of off-site power occurs
- Fifteen seconds later a Large Break LOCA occurs

Which ONE (1) of the following completes the statements below?

The BOP will expect to see the SWBPs started on the (1) . SWBP suction pressure (2) have to be at least 30 psig for the SWBP's to start.

- A. (1) Blackout sequencer
(2) does
- B. (1) Blackout sequencer
(2) does **NOT**
- C. (1) SI sequencer
(2) does
- D. (1) SI sequencer
(2) does **NOT**

13. Given the following plant conditions:

-The reactor is currently at 6% power with the turbine rolling at 1800 rpm IAW
GP-005, POWER OPERATION

-Power is lost to Instrument Bus (IB) #1

Which ONE (1) of the following completes the statements below?

The loss of IB #1 (1) cause a reactor trip. The turbine is (2) .

- A. (1) will
(2) tripped
- B. (1) will **NOT**
(2) tripped
- C. (1) will
(2) **NOT** tripped
- D. (1) will **NOT**
(2) **NOT** tripped

14. Given the following plant conditions:

- Battery chargers A and B are in service
- Battery chargers A-1 and B-1 are in standby
- 12:00 MCC-5 is de-energized
- 13:01 APP-036-D3, BATT A/B LO VOLT, alarm is illuminated
- There are multiple indications of loss of control power to components

Subsequently:

- 13:05:00 MCC-5 is re-energized

Which ONE (1) of the following completes the statements below?

Battery charger(s) (1) will need to be manually restarted. As of 13:05:00 the following day, the batteries (2) be fully charged.

- A. (1) A-1 only
(2) will
- B. (1) A & A-1
(2) will
- C. (1) A & A-1
(2) will **NOT**
- D. (1) A-1 only
(2) will **NOT**

15. Given the following plant conditions:

- The reactor is at 25% RTP
- APP-009-F8, 4KV BUSES LO FREQ, is in alarm
- The crew enters AOP-026, GRID INSTABILITY
- Frequency is now at 58.3Hz

Which ONE (1) of the following completes the statements below?

The crew will (1) trip the reactor. IAW AOP-026 basis document, the purpose of tripping the RCP's is to (2) .

- A. (1) immediately
(2) prevent the automatic reactor trip from low flow
- B. (1) wait 5 minutes, and then
(2) prevent the automatic reactor trip from low flow
- C. (1) immediately
(2) prevent the automatic RCP trip at 58.2 Hz
- D. (1) wait 5 minutes, and then
(2) prevent the automatic RCP trip at 58.2 Hz

16. Given the following plant conditions:

-The plant is in Mode 3

-The crew has entered EPP-20, LOCA OUTSIDE CONTAINMENT

SI-870 A & B, BIT INJ Valves

RHR-744 A & B, RHR COLD LEG INJ Valves

Which ONE (1) of the following completes the statement below?

In order to isolate a leak in the Cold Leg Injection piping, EPP-20 will have the crew shut (1) and monitor (2) to see if the leak is isolated.

- A. (1) SI-870 A & B
(2) RCS pressure
- B. (1) SI-870 A & B
(2) PZR level
- C. (1) RHR-744 A & B
(2) PZR level
- D. (1) RHR-744 A & B
(2) RCS pressure

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17. Which of the following is the **FIRST** mitigation strategy that FRP-H.1, RESPONSE TO LOSS OF SECONDARY HEAT SINK, directs you to attempt?

- A. Maximize charging flow to cool the RCS
- B. Depressurize the S/G's to raise subcooling
- C. Initiation of RCS Bleed and Feed Heat Removal
- D. Attempt Restoration of Feed Flow To Steam Generators

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18. Given the following plant conditions:

- The crew has implemented EPP-15, Loss of Emergency Coolant Recirculation
- The crew is initiating an RCS cooldown to cold shutdown
- The following table is a plot of the RCS cooldown:

TIME	RCS T _{COLD}	TIME	RCS T _{COLD}
0800	547°F	0945	425°F
0815	530°F	1000	395°F
0830	520°F	1015	382°F
0845	505°F	1030	364°F
0900	498°F	1045	340°F
0915	478°F	1100	320°F
0930	447°F	1115	300°F

Which ONE (1) of the following completes the statements below?

The cooldown rate limit ____ (1) ____ been exceeded. At ____ (2) ____ RWST level, the crew is required to secure all running ECCS pumps taking a suction from the RWST.

- A. (1) has
(2) 27%
- B. (1) has
(2) 9%
- C. (1) has **NOT**
(2) 27%
- D. (1) has **NOT**
(2) 9%

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19. Given the following plant conditions:

- Reactor is at 100% RTP
- "A" & "B" Charging pumps are OOS
- HIC-121, CHARGING FLOW VALVE, controller indicates 100% output
- CVC-297 A/B/C are full open
- Seal Injection flow are all about 6.6 GPM

CVC-297A, RCP "A" SEAL WATER FLOW CONTROL VALVE
CVC-297 B, RCP "B" SEAL WATER FLOW CONTROL VALVE
CVC-297 C, RCP "C" SEAL WATER FLOW CONTROL VALVE
LT-459, CH I PRZR LEVEL
LT-461, CH III PRZR LEVEL

Which ONE (1) of the following completes the statements below?

Based off the conditions above, LT- (1) has failed low. ITS LCO 3.4.17, Chemical and Volume Control System, requirements (2) met.

- A. (1) 461
(2) are **NOT**
- B. (1) 459
(2) are **NOT**
- C. (1) 461
(2) are
- D. (1) 459
(2) are

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20. Given the following plant conditions:

- The plant is in Mode 3 preparing for startup.
- Several alarms are received and multiple controllers & indicators lose power.
- NI-32, Source Range Nuclear Instrument, is deenergized
- The crew has entered AOP-024, LOSS OF INSTRUMENT BUS
- An AO reports that an ILC student doing JPM walkdowns bumped into the supply breaker and the AO heard the breaker trip

Which ONE (1) of the following completes the statement below?

In order to restore power to NI-32, the crew will need to reset and close the supply breaker to Instrument Bus ____ (1) ____ at ____ (2) ____.

- A. (1) 1
(2) Inverter A
- B. (1) 2
(2) Inverter A
- C. (1) 1
(2) MCC-5
- D. (1) 2
(2) MCC-5

21. Given the following plant conditions:

- Power is above P-6
- Power is below P-10
- Power ascension is in progress
- NI-35, INTERMEDIATE RANGE NUCLEAR INSTRUMENT, fails as is
- NI-36, INTERMEDIATE RANGE NUCLEAR INSTRUMENT, fails as is

Which ONE (1) of the following correctly completes the statement below?

The maximum time the crew has to (1) is (2) IAW LCO 3.3.1, REACTOR PROTECTION SYSTEM (RPS) INSTRUMENTATION.

- A. (1) suspend operations involving positive reactivity additions
(2) 15 minutes
- B. (1) suspend operations involving positive reactivity additions
(2) immediately
- C. (1) increase thermal power to >P-10
(2) 15 minutes
- D. (1) increase thermal power to >P-10
(2) immediately

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22. Given the following plant conditions:

-High radiation alarms have just been received from R-20, FUEL HANDLING BUILDING LOWER LEVEL, and R-30, FUEL HANDLING BUILDING LOWER LEVEL HIGH RANGE

-The Inside Auxiliary Operator reports the following:

-WGDT "A" is at 40 psig and is in service

-WGDT "B" is at 20 psig and is in standby

-WGDT "C" is at 80 psig and is on cover gas

-WGDT "D" is at 60 psig with pressure slowly lowering

-AOP-009, ACCIDENTAL GAS RELEASE FROM A WGDT, has been entered

-The crew has started HVE-5A, AUX BLDG CHARCOAL EXH FAN

Which ONE (1) of the following completes the statements below?

The basis for starting HVE-5A IAW AOP-009 is to (1) . WGDT "D" will be placed on cover gas and equalized with WGDT (2) .

A. (1) minimize any radiological release

(2) "A"

B. (1) minimize any radiological release

(2) "B"

C. (1) limit the concentration of explosive gases

(2) "B"

D. (1) limit the concentration of explosive gases

(2) "A"

23. Given the following plant conditions:

-A fire breaks out on the RTGB

-The crew has entered AOP-041, RESPONSE TO FIRE EVENT, and subsequently, DSP-001, ALTERNATE SHUTDOWN DIAGNOSTIC

-The crew has tripped the reactor

CVC-200 A/B/C, LTDN ORIFICE

PCV-455C, PZR PORV

PCV-456, PZR PORV

Which ONE (1) of the following completes the statements below?

Prior to leaving the control room, the OAC will (1). This is performed to (2).

- A. (1) Verify CVC-200 A/B/C closed
(2) prevent spurious operation
- B. (1) Isolate PCV-456 & PCV-455C
(2) prevent spurious operation
- C. (1) Verify CVC-200 A/B/C closed
(2) allow for remote operation of these valves
- D. (1) Isolate PCV-456 & PCV-455C
(2) allow for remote operation of these valves

24. Given the following plant conditions:

- A fire has broke out in the Hagan Room
- It has spread to the Control Room
- The crew is currently in DSP-002, HOT SHUTDOWN USING THE DEDICATED/ALTERNATE SHUTDOWN SYSTEM
- Attachment 1, TURBINE BUILDING OPERATOR ACTIONS, are complete
- The DS Bus is energized

Which ONE (1) of the following completes the statements below?

One of the operators will start "A" CCW pump from (1). MDAFW pumps (2) available.

- A. (1) the Charging Pump room
(2) are
- B. (1) the Charging Pump room
(2) are **NOT**
- C. (1) the Rod Control room
(2) are
- D. (1) the Rod Control room
(2) are **NOT**

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25. The reactor is at 100% RTP. Which of the following would indicate failed fuel?

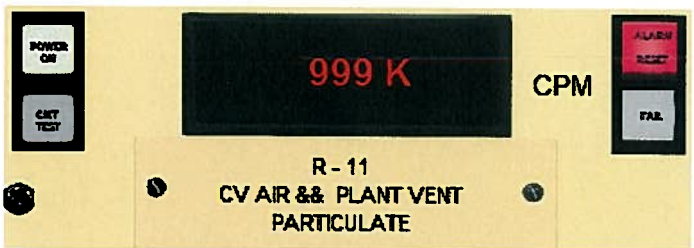
A.



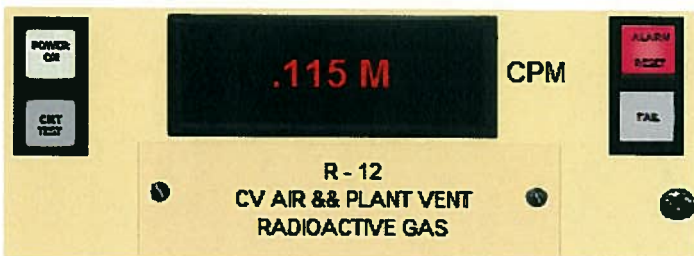
B.



C.



D.



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26. Given the following plant conditions:

- A reactor trip has occurred
- The turbine failed to trip
- The MSIV's have failed to close
- The crew is in FRP-P.1, RESPONSE TO IMMINENT PRESSURIZED THERMAL SHOCK

Which ONE (1) of the following completes the statements below?

IAW FRP-P.1, the crew will maintain (1) . The crew will be required to perform a soak for (2) hour(s).

- A. (1) between 80-90 gpm feed flow to each S/G
(2) 1
- B. (1) between 80-90 gpm feed flow to each S/G
(2) 29
- C. (1) total feed flow > 300 gpm
(2) 1
- D. (1) total feed flow > 300 gpm
(2) 29

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27. Given the following plant conditions:

- The crew has experienced a Loss of All A/C Power
- They have transitioned to EPP-6, NATURAL CIRCULATION COOLDOWN WITH STEAM VOID IN VESSEL

Which ONE (1) of the following completes the statements below?

IAW EPP-6, the maximum RCS temperature at which RHR can be placed in service is LESS THAN ____ (1) _____. Per EPP-6, the maximum cooldown rate is LESS THAN ____ (2) ____ in the last 60 minutes.

- A. (1) 350°F
(2) 100°F
- B. (1) 250°F
(2) 100°F
- C. (1) 350°F
(2) 25°F
- D. (1) 250°F
(2) 25°F

28. Given the following plant conditions:

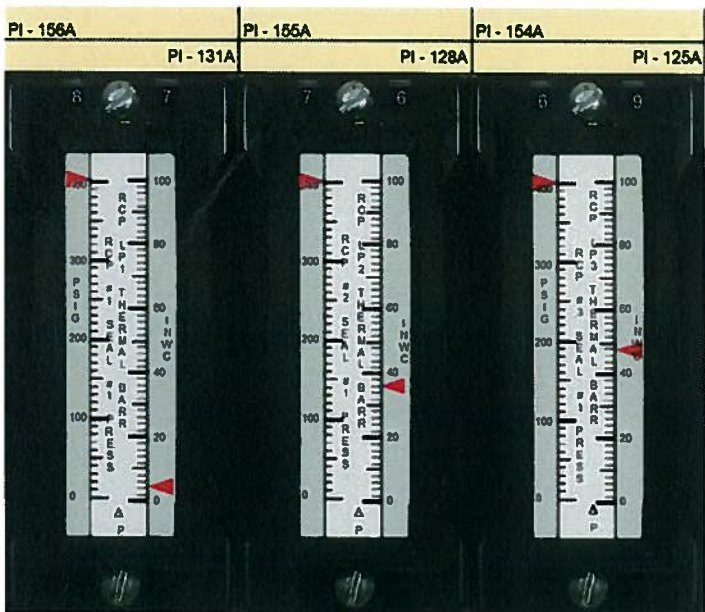
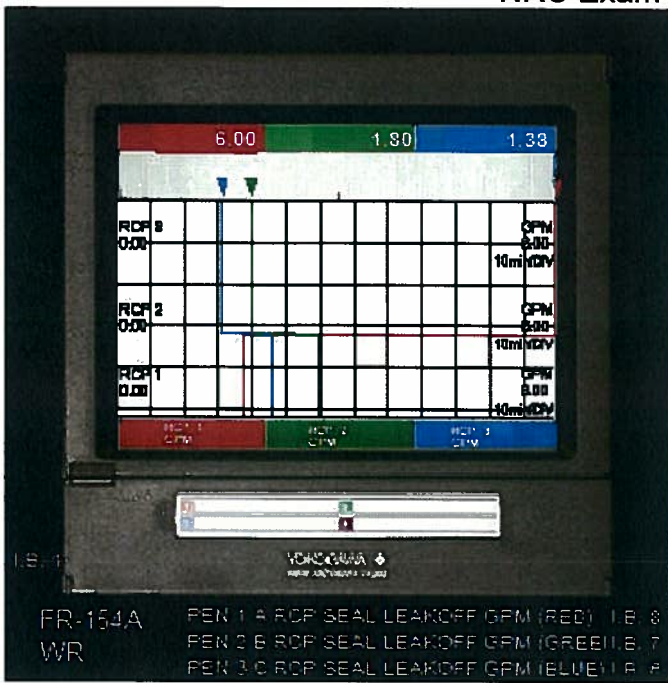
- The Plant is at 100% RTP
- APP-001-D2, RCP #1 SEAL LEAKOFF HI FLOW is in alarm
- RCP #1 Seal Leakoff Flows and Thermal Barrier D/Ps are as indicated
(SEE REFERENCE ON NEXT PAGE)

Which ONE (1) of the following completes the statements below?

RCP A ____ (1) ____ seal is failed . To prevent damage to the RCP A Seal Stack, the RCP A SEAL LEAKOFF Valve, CVC-303A should be closed ____ (2) ____ after tripping RCP A.

- A. (1) #1
(2) immediately
- B. (1) #2
(2) immediately
- C. (1) #1
(2) between 3 and 5 minutes
- D. (1) #2
(2) between 3 and 5 minutes

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29. Which ONE (1) of the following completes the statements below?

When Seal Injection is unavailable, CCW flow to the ____ (1) ____ ensures adequate cooling of the Reactor Coolant Pump seals. This cooling flow path remains in service until isolated by a Phase ____ (2) ____ actuation.

- A. (1) Thermal Barrier
(2) "A"
- B. (1) Thermal Barrier
(2) "B"
- C. (1) Seal Water HX
(2) "A"
- D. (1) Seal Water HX
(2) "B"

30. Given the following plant conditions:

- The plant is operating at 100% RTP.
- Seal Injection flow to each RCP is 8.5 gpm
- "C" Charging Pump is currently running in Manual at minimum speed.
- "A" Charging Pump is running in MANUAL at 35% demand during the performance of OP-301-1, Section 8.4.7, Charging Pump Break-In After Maintenance.
- CVC-283C, Charging Pump "A" Discharge Relief, has lifted and has not reseated.

Which ONE (1) of the following identifies the impact on Seal Injection flow(s) AND how this malfunction would be addressed by AOP-018, Reactor Coolant Pump Abnormal Conditions?

Which ONE (1) of the following completes the statement below?

Seal Injection flows will lower to (1) and AOP-018 directs the operators to (2) .

- A. (1) ZERO flow
(2) Isolate letdown, secure all Charging Pumps, manually isolate "A" Charging pump.
- B. (1) MINIMUM flow (~ 6 gpm each)
(2) Isolate letdown, secure all Charging Pumps, manually isolate "A" Charging pump.
- C. (1) ZERO flow
(2) Stop "A" Charging Pump and adjust the speed of "C" Charging Pump to restore normal seal injection flows.
- D. (1) MINIMUM flow (~ 6 gpm each)
(2) Stop "A" Charging Pump and adjust the speed of "C" Charging Pump to restore normal seal injection flows.

31. Given the following plant conditions:

- The RCS is on RHR and **SOLID**
- RCS pressure is 340 psig
- PC-145, PRESSURE, in AUTO
- HIC-142, PURIFICATION FLOW, controller setting is at 55% demand

Subsequently, an RCS leak occurs

Which ONE (1) of the following completes the statement below?

PC-145 controller output ____ (1) ____ and PCV-145 throttles ____ (2) ____.

- A. (1) lowers
(2) closed
- B. (1) lowers
(2) open
- C. (1) rises
(2) closed
- D. (1) rises
(2) open

32. Given the following plant conditions:

- The plant is in Mode 5.
- The air supply line to HCV-758, RHR HX OUTLET FLOW TO COLD LEGS, breaks, causing a complete loss of Instrument Air to the valve.

Which ONE (1) of the following completes the statements below?

Based off the conditions above, total RHR flow initially ____ (1) _____. IAW AOP-020, Loss of Residual Heat Removal (Shutdown Cooling), the crew will **MANUALLY** throttle ____ (2) _____.

- A. (1) rises
(2) FCV-605, RHR HX BYPASS closed
- B. (1) rises
(2) RHR-764, HCV-758 BYPASS closed
- C. (1) lowers
(2) FCV-605, RHR HX BYPASS open
- D. (1) lowers
(2) RHR-764, HCV-758 BYPASS open

33. Given the following plant conditions:

-The reactor is at 100% RTP

-A Safety Injection signal is received

SI-870 A/B, BIT INJECTION TANK OUTLETS

RHR-744 A/B, LOOP DISCHARGE TO RCS ISOLATION VALVES

SI-865 A/B/C, SI ACCUMULATOR DISCHARGE VALVES

SI-867 A/B, BIT INJECTION TANK INLETS

Which of the following valves will reposition because of the Safety Injection signal?

A. SI-870 A/B & RHR-744 A/B

B. SI-865 A/B/C & SI-867 A/B

C. SI-870 A/B & SI-865 A/B/C

D. RHR-744 A/B & SI-867 A/B

34. Given the following plant conditions:

- The reactor was at 100% RTP when a LOCA occurs
- A Safety Injection has been initiated and is injecting into the core

Immediately upon the Safety Injection Flow going to the core, the **INNER WALL** of the SI piping that connects to the RCS undergoes (1) stress. If one of the SI pipes that connects to the RCS breaks from this stress, (2) pipe(s) would still be available to supply SI flow to the core.

- A. (1) tensile
(2) one
- B. (1) tensile
(2) two
- C. (1) compressive
(2) one
- D. (1) compressive
(2) two

NRC Exam

35. Given the following plant conditions:

- A bubble is being drawn in the Pressurizer IAW, OP-104, Pressurizer Operations
- RCS pressure is 335 psig
- TI-454, PRZR VAPOR TEMP is 432°F
- LI-462, COLD PRESSURIZER, Level is 80% and slowly lowering
- TI-463, PZR PWR RELIEF LINE TEMP, reads 320°F

A PZR PORV ____ (1) ____ leaking. Confirmatory indications would be ____ (2) ____ pressure, level, or temperature.

- A. (1) is
(2) PRT
- B. (1) is
(2) RCDT
- C. (1) is NOT
(2) PRT
- D. (1) is NOT
(2) RCDT

36. Given the following plant conditions:

- The reactor is at 100% RTP
- CCW Heat Exchanger outlet temperature is 106°F and rising
- All Service Water Pumps are running
- The highest RCP Motor bearing temperature is 190°F and rising
- Service Water pressure is 46 psig and stable on both headers

AOP-018, REACTOR COOLANT PUMP ABNORMAL CONDITIONS
AOP-014, COMPONENT COOLING WATER SYSTEM MALFUNCTION

Which ONE (1) of the following completes the statements below?

Based off the conditions above, the ____ (1) ____ . The crew is required to ____ (2) ____ .

- A. (1) RCP operating limits have been exceeded
(2) monitor all RCP parameters IAW AOP-018.
- B. (1) RCP operating limits have been exceeded
(2) Lower heat load on CCW system IAW AOP-014.
- C. (1) CCW system cooling capacity is degraded
(2) lower heat load on CCW system IAW AOP-014
- D. (1) CCW system cooling capacity is degraded
(2) monitor all RCP parameters IAW AOP-018.

37. Given the following plant conditions:

-RCS Tavg is 560°F

-LT-459, PRZR LEVEL, has failed high

Which ONE (1) of the following completes the statements below?

Prior to the failure, pressurizer level was ____ (1) ____ . Pressurizer heaters will all turn on when LT-459 reaches ____ (2) ____ .

- A. (1) 36.1%
(2) 46.1%
- B. (1) 53.3%
(2) 63.3%
- C. (1) 53.3%
(2) 58.3%
- D. (1) 36.1%
(2) 41.1%

38. Given the following plant conditions:

- The reactor is at 37% RTP
- RCP breaker A trips

Which ONE (1) of the following completes the statement?

Reactor Trip Breakers RTA and RTB ____ (1) ____ lights will be illuminated. The conditions for P-8 ____ (2) ____ satisfied.

- A. (1) red
(2) are
- B. (1) green
(2) are
- C. (1) red
(2) are **NOT**
- D. (1) green
(2) are **NOT**

39. Given the following conditions:

- Plant is at 100% RTP
- All equipment is in normal alignment
- An electrical fault results in a loss of power to Instrument Bus 3

Which ONE (1) of the following describes SI Pump response if an AUTO SI actuation occurs before Instrument Bus 3 is recovered?

- A. SI Pumps A and B start.
- B. SI Pumps B and C start.
- C. Only SI Pump A starts.
- D. Only SI Pump C starts.

40. Given the following plant conditions:

- Tavg is 547°F
- RCS Pressure is 2235 psig
- A loss of offsite power occurs
- One minute later a large break LOCA occurs

Which ONE (1) of the following completes the statement below?

The **FINAL** CV Recirculation fans start ____ (1) ____ seconds after both trains of the ____ (2) ____ sequencers start.

- A. (1) 30
(2) Blackout
- B. (1) 35
(2) Blackout
- C. (1) 30
(2) Safety Injection
- D. (1) 35
(2) Safety Injection

NRC Exam

41. Which ONE (1) of the following combinations of Containment Heat removal equipment will require immediate entry into LCO 3.0.3?

- A. Both HVH trains inoperable.
- B. Three Containment HVH units inoperable.
- C. Two Containment Spray Pumps inoperable.
- D. One Containment Spray Pump and one HVH train inoperable.

42. Given the following plant conditions:

- A loss of offsite power and a reactor trip has occurred
- Two minutes later APP-007-F5, SD AFW PMP LO DISCH PRESS TRIP alarms and remains locked in
- The pump has been verified to be coasting down locally due to an overspeed trip

Which ONE (1) of the following correctly completes the statements below?

SDAFW Pump Steam Shutoff Valves, V1-8A, V1-8B, and V1-8C should be ____ (1) ____ at this time. The BOP operator is required to ____ (2) ____ closure of SDAFW Pump Discharge Valves, V2-14A, V2-14B, and V2-14C.

- A. (1) open
(2) verify automatic
- B. (1) open
(2) perform manual
- C. (1) closed
(2) verify automatic
- D. (1) closed
(2) perform manual

43. Given the following plant conditions:

- The Plant is at 50% RTP perform post outage power ascension.
- FCV-478, FRV A, develops an air leak at the valve operator and the valve starts to slowly drift in the close direction
- The air leak increases slowly for 5 minutes and then the air line completely separates

EOP-E-0, REACTOR TRIP OR SAFETY INJECTION
AOP-010, MAIN FEEDWATER/CONDENSATE MALFUNCTION

Which ONE (1) of the following completes the statements below?

Prior to the line separation, FCV-478 controller output will (1). After the line separates the crew will (2) IAW AOP-010.

- A. (1) rise
(2) stabilize "A" S/G Level using the FRV Bypass Valve
- B. (1) lower
(2) stabilize "A" S/G Level using the FRV Bypass Valve
- C. (1) rise
(2) trip the Reactor and Go To EOP-E-0
- D. (1) lower
(2) trip the Reactor and Go To EOP-E-0

44. Given the following plant conditions:

- The plant is in Mode 3
- The SDAFW Pump is under clearance
- MDAFW Pump B is running

Subsequently,

- A line break occurs between FCV-1425, MDAFW PUMP B FCV and V2-20B, AFW HDR SECTION valve
- MDAFW Pump B trips on overcurrent due to runout through line break
- The break has been isolated using single valve isolation

Which ONE (1) of the following identifies the S/Gs available to be fed by the remaining AFW Pump?

- A. S/G A ONLY
- B. S/G B ONLY
- C. S/Gs A, B, and C
- D. S/Gs A and B ONLY

45. Given the following plant conditions:

-The Plant is at 100% RTP

-A fault has isolated the Startup Transformer

Which ONE (1) of the following completes the statements below?

This results in a loss of ____ (1) _____. Emergency Diesel Generator ____ (2) ____ starts and loads.

- A. (1) Spent Fuel Pit Cooling Pump A and Rod Drive MG Set B
(2) A
- B. (1) Spent Fuel Pit Cooling Pump A and Rod Drive MG Set B
(2) B
- C. (1) Spent Fuel Pit Cooling Pump B and PZR Heater Back-up Group A
(2) A
- D. (1) Spent Fuel Pit Cooling Pump B and PZR Heater Back-up Group A
(2) B

46. Given the following plant conditions:

- A LOCA and a Loss of Offsite Power have occurred
- Both battery chargers that were in service are tripped

Which ONE (1) of the following completes the statements below?

Given the accident above, "A" and "B" Batteries are designed to last for a **MAXIMUM** of (1) ____. Assuming battery load remains constant, battery current will (2) ____ as terminal voltage lowers.

- A. (1) 1 hour
(2) lower
- B. (1) 1 hour
(2) rise
- C. (1) 30 minutes
(2) lower
- D. (1) 30 minutes
(2) rise

NRC Exam

47. Which ONE (1) of the following completes the statements below?

The purpose of the Emergency Diesels is to provide emergency power in the event of a loss of (1) . The design time to energize the associated bus is within (2) seconds.

- A. (1) offsite power
(2) 10
- B. (1) offsite power
(2) 15
- C. (1) all A/C power
(2) 10
- D. (1) all A/C power
(2) 15

NRC Exam

48. De-energizing which ONE (1) of the following Motor Control Centers will cause a loss of Diesel Air Compressor "A"?

- A. MCC-5
- B. MCC-6
- C. MCC-9
- D. MCC-10

49. Given the following plant conditions:

- The reactor is at 100% RTP
- The crew is performing a containment vacuum relief
- R-12, CV AIR OR PLANT STACK, NOBLE GAS, alarms

V12-12, CV VAC RELIEF

V12-13, CV VAC RELIEF

APP-036-D7, AREA MONITOR HI RAD

APP-036-D8, PROCESS MONITOR HI RAD

Which ONE(1) of the following completes the statements below?

The crew would expect to see ____ (1) ____ annunciator flashing. They would also see ____ (2) ____ go shut.

- A. (1) APP-036-D7
(2) V12-12 & V12-13 only
- B. (1) APP-036-D8
(2) V12-12 & V12-13 only
- C. (1) APP-036-D7
(2) V12-12, V12-13 & the CV Intake Damper
- D. (1) APP-036-D8
(2) V12-12, V12-13 & the CV Intake Damper

50. Given the following plant conditions:

- The reactor is at 100% RTP
- The following radiation monitor alarms are received:
 - R-15, CONDENSER AIR EJECTOR GAS MONITOR
 - R-19A, S/G "A" RADIATION MONITOR
 - R-24A, S/G "A" LEAKAGE MONITOR
- All other radiation monitors are normal

Which ONE (1) of the following describes the valves that CLOSE in response to these indications?

- A. FCV-1930A, S/G A Blowdown Isolation Valve
V1-31, Blowdown Isolation Valve to Catch Basin
- B. V1-31, Blowdown Isolation Valve to Catch Basin
RCV-10549, Condensate Polisher Discharge to Catch Basin
- C. FCV-1930A, S/G A Blowdown Isolation Valve
FCV-1933B, S/G A Blowdown Sample Isolation Valve
- D. FCV-1933B, S/G A Blowdown Sample Isolation Valve
RCV-10549, Condensate Polisher Discharge to Catch Basin

51. Given the following plant conditions:

- The reactor is at 100% RTP
- Service Water pumps A & C are running
- Service Water Header pressure is 42 psig and stable as indicated on PI-1616 and PI-1684
- Both CCW Heat Exchangers are in service
- Main Generator Exciter Cooler air discharge temperature is 145°F and rising slowly

TCV-1673, TURBINE LUBE OIL TEMP CONTROL VALVE
TCV-1650, HYDROGEN COOLER TEMP CONTRL VALVE

Which ONE (1) of the following completes the statements below?

IAW OP-903, Service Water System, the maximum allowable Main Generator Exciter Cooler air discharge temperature is (1) °F. To restore Main Generator Exciter Cooler air discharge temperature the crew will first (2).

- A. (1) 140
(2) start "D" Service Water pump
- B. (1) 188
(2) start "D" Service Water pump
- C. (1) 140
(2) raise the setpoint for TCV-1673 and TCV-1650
- D. (1) 188
(2) raise the setpoint for TCV-1673 and TCV-1650

NRC Exam

52. Given the following plant conditions:

-MCC-5 de-energizes due to the supply breaker tripping open

-During the transient, a turbine trip occurs and the South Service Water header pressure decreases to 28 psig

V6-16B, SW SOUTH HEADER SUPPLY TO TURBINE BUILDING

V6-16C, SW ISOLATION TO TURBINE BUILDING

Which ONE (1) of the following completes the statement below?

TWO (2) minutes after the turbine trip, V6-16B is ____ (1) ____ and V6-16C is ____ (2) ____ .

A. (1) closed
(2) closed

B. (1) closed
(2) open

C. (1) open
(2) open

D. (1) open
(2) closed

53. Given the following plant conditions:

- APP-002-F7, INSTR AIR HDR LO PRESS alarms
- PI-1702, INST AIR HEADER PRESS, dropped from 100 psig to 0 psig in less than 10 seconds
- Pressurizer Level is 54% and **STABLE**
- Steam Generator Narrow Range Levels are 52% and **STABLE**
- The reactor is at 100% RTP and **STABLE**

AOP-017, LOSS OF INSTRUMENT AIR
EOP-E-0, REACTOR TRIP OR SAFETY INJECTION

Which ONE (1) of the following completes the statements below?

APP-002-F7 alarm setpoint is ____ (1) ____ psig. The crew is required to ____ (2) ____ .

- A. (1) 60
(2) initiate action to repair the transmitter and monitor Instrument Air pressure locally
- B. (1) 85
(2) initiate action to repair the transmitter and monitor Instrument Air pressure locally
- C. (1) 60
(2) trip the reactor and implement AOP-017 and EOP-E-0 concurrently
- D. (1) 85
(2) trip the reactor and implement AOP-017 and EOP-E-0 concurrently

NRC Exam

54. Which ONE (1) of the following completes the statements below?

☐ Instrument Air Compressor A and B cylinder water jackets are cooled by (1) Water. Flow is (2) to the cylinder water jackets when the air compressors are shutdown.

- A. (1) Service
 (2) maintained
- B. (1) Component Cooling
 (2) maintained
- C. (1) Service
 (2) isolated
- D. (1) Component Cooling
 (2) isolated

NRC Exam

55. Which ONE (1) of the following completes the statements below?

To ensure the LCO is met for the Personnel Airlock as required by Technical Specification 3.6.2 in MODES ____ (1) ____, the personnel hatch doors are ____ (2) ____ to ensure only one door is open at any time.

- A. (1) 1-4 only
(2) administratively controlled
- B. (1) 1-4, and 6
(2) administratively controlled
- C. (1) 1-4 only
(2) physically interlocked
- D. (1) 1-4, and 6
(2) physically interlocked

56. Given the following plant conditions:

- The reactor was at 100% RTP.
- Subsequently, the reactor was tripped due to a Steam Line leak on the 72 inch Main Steam Header
- All MSIVs are stuck full open.
- All AFW Pumps failed to start
- FRP-H.1, RESPONSE TO LOSS OF SECONDARY HEAT SINK, has been entered
- S/G Wide Range levels are all at 3%
- CETC Temperature indicates 505°F with a subcooling of 115°F
- Safety Injection has been manually initiated

Which ONE (1) of the following completes the statement below?

Safety injection ___(1)___ injecting into the core. In order to initiate Bleed and Feed, the crew will **FIRST** try to open ___(2)___.

- A. (1) is
(2) all head vents
- B. (1) is **NOT**
(2) all head vents
- C. (1) is
(2) both PZR PORV's
- D. (1) is **NOT**
(2) both PZR PORV's

57. Given the following plant conditions:

- ☐ -The crew is lowering power from 100% to 90% RTP IAW OP-105, MANEUVERING THE PLANT WHEN GREATER THAN 25% POWER
- All PZR heaters are energized
- B Charging pump is in manual
- C Charging pump is in AUTO
- LT-460, CH II PRZR LEVEL, fails low

Which ONE (1) of the following completes the statements below?

The PZR Backup heaters are ____ (1) ____ . Because of this failure, C charging pump speed will ____ (2) ____.

- A. (1) off
(2) lower
- B. (1) on
(2) lower
- ☐ C. (1) off
(2) rise
- D. (1) on
(2) rise

58. Given the following plant conditions:

- The reactor is at 100% RTP
- The crew has entered AOP-001, MALFUNCTION OF REACTOR CONTROL SYSTEM, for a dropped rod in Control Bank D
- They are at the step to place the Lift Coil Disconnect Switch for the dropped rod to the OFF position

Which ONE (1) of the following completes the statements below?

The operator performing this step will go to the ____ (1) ____ . This is done to allow operators to ____ (2) ____ .

- A. (1) Rod Control Room
(2) withdraw the dropped rod
- B. (1) back of the RTGB
(2) withdraw the dropped rod
- C. (1) Rod Control Room
(2) control flux during the downpower
- D. (1) back of the RTGB
(2) control flux during the downpower

59. Given the following plant conditions:

-The crew is in FRP-C.1, RESPONSE TO INADEQUATE CORE COOLING

Which ONE (1) of the following completes the statements below?

From the ICCM Panel, the crew will monitor (1) IAW FRP-C.1. The minimum temperature at which core damage has occurred with RCP's running is (2) .

- A. (1) RTD's
(2) 1200°F
- B. (1) RTD's
(2) 2300°F
- C. (1) CETC's
(2) 1200°F
- D. (1) CETC's
(2) 2300°F

NRC Exam

60. Which ONE (1) of the following is the power supply for HVE-4, CV AIR IODINE REMOVAL EXHAUST FAN?

- A. MCC-5
- B. MCC-6
- C. MCC-9
- D. MCC-10

NRC Exam

61. Given the following plant conditions:

- One AO is in containment verifying a valve's position
- R-11, CV AIR & Plant Vent Particulate, alarms
- The crew has entered AOP-005, RADIATION MONITORING SYSTEM

Which ONE (1) of the following completes the statement below?

The OAC will place the VLC switch to the ____ (1) ____ position and will then Hold the CV EVACUATION HORN for ____ (2) ____ seconds IAW AOP-005.

- A. (1) OVERRIDE
(2) 5
- B. (1) OVERRIDE
(2) 15
- C. (1) EMERG
(2) 5
- D. (1) EMERG
(2) 15

62. Given the following plant conditions:

- The reactor is at 100% RTP
- APP-036-B6, SPENT FUEL PIT LO LEVEL, alarm comes in
- AO reports that APP-036-B6 is a valid alarm

Which ONE (1) of the following completes the statements below?

APP-036-B6 alarm setpoint is ____ (1) ____ . The crew will fill the Spent Fuel Pit level using water from the ____ (2) ____ .

- A. (1) 35ft
(2) RWST
- B. (1) 36ft, 2.5 inches
(2) RWST
- C. (1) 35ft
(2) Demineralized Water System
- D. (1) 36ft, 2.5 inches
(2) Demineralized Water System

63. Given the following plant conditions:

- The reactor is at 100% RTP
- The OAO reports a steam leak near the Main Steam Isolation Valves
- The following indications are noted in the Control Room:
 - T_{avg} is lowering
 - Steam flow and feed flow have risen
 - Power Limit Warning alarm on ERFIS has been received
 - Reactor power is 100.3% and slowly rising

Which ONE (1) of the following completes the statements below?

The time in core life that will result in the smallest reactivity excursion is (1). The Reactor is required to be operated at less than or equal to (2) MW thermal IAW OMM-001-2, SHIFT ROUTINES AND OPERATING PRACTICES.

- A. (1) BOL
(2) 2300
- B. (1) BOL
(2) 2339
- C. (1) EOL
(2) 2300
- D. (1) EOL
(2) 2339

NRC Exam

64. Given the following plant conditions:

-The plant is performing a power ascension and is at 8% RTP

Which ONE (1) of the following completes the statements below?

The REACTOR TRIP BLOCK P-7 status light will ~~illuminate~~ ^{EXTINGUISH} when (1) Power Range NI's read above 10%. One of the Reactor Trips that this enables is (2) .

- A. (1) 2/4
(2) PZR High Level
- B. (1) 3/4
(2) PZR High Level
- C. (1) 2/4
(2) PZR High Pressure
- D. (1) 3/4
(2) PZR High Pressure

MSB 8/6/2013

NRC Exam

65. Which of the following discharge to the Reactor Coolant Drain Tank?

- ☐ A. Charging pump seals
- ☐ B. RCV-609, CC SURGE TANK VENT
- ☐ C. CVC-203 A/B, LETDOWN RELIEF VALVES
- ☐ D. CVC-389, EXCESS LETDOWN DIVERSION

NRC Exam

66. Which ONE (1) of the following completes the statements below?

IAW OPS-NGGC-1000, FLEET CONDUCT OF OPERATIONS, a plant announcement will be made for the starting of ____ (1) ____ motors. The announcement will include ____ (2) ____ .

- A. (1) all
(2) only the applicable motor
- B. (1) only large
(2) only the applicable motor
- C. (1) all
(2) the applicable motor and its switchgear
- D. (1) only large
(2) the applicable motor and its switchgear

67. Given the following plant conditions:

- The plant is in MODE 6 for refueling operations
- Core alterations are in progress

Which ONE (1) of the following completes the statements below?

IAW LCO 3.9.2, NUCLEAR INSTRUMENTATION, (1) source range neutron flux monitor(s) shall be OPERABLE. NI-51 and NI-52, (2) capable of providing audible indication inside CV.

- A. (1) one
 (2) are
- B. (1) two
 (2) are
- C. (1) one
 (2) are **NOT**
- D. (1) two
 (2) are **NOT**

NRC Exam

68. Which ONE (1) of the following completes the statements below?

SI Accumulator Pressure is checked during (1). A deviation of greater than (2) of full scale during a channel check is used as the OOS limit.

- A. (1) OST-020, SHIFTLY SURVEILLANCES
(2) 7.5%
- B. (1) OST-020, SHIFTLY SURVEILLANCES
(2) 5%
- C. (1) OST-021, DAILY SURVEILLANCES
(2) 5%
- D. (1) OST-021, DAILY SURVEILLANCES
(2) 7.5%

NRC Exam

69. Which ONE (1) of the following people can be selected to be an Infrequently Performed Test or Evolution (IPTE) Manager IAW OPS-NGGC-1315, CONDUCT OF INFREQUENTLY PERFORMED TESTS OR EVOLUTIONS?

- A. Lead Test Performer
- B. A Control Room Supervisor
- C. The on-duty Shift Manager
- D. The Manager, Shift Operations

NRC Exam

70. Inside Work Control, the following conditions were found:

- Removable surface contamination is 1500 dpm/cm²
- Radiation levels are 3 mrem/hr at 30cm

Which ONE (1) of the following identifies the minimum postings for the Work Control area?

- A. Radiation area only
- B. Contamination area only
- C. no postings necessary
- D. A contamination and radiation area

NRC Exam

71. Which ONE (1) of the following radiation monitors is located in the Auxiliary Building hallway above the Station Air receiver?

- A. R-18 (Waste Disposal System liquid effluent)
- B. R-17 (Component Cooling Water)
- C. R-16 (Containment Fan Coolers)
- D. R-9 (Letdown line area)

72. Given the following conditions:

- An RNP Mechanic, previously employed by VC Summer, has been assigned to repack a valve
- The mechanic's current yearly dose from VC Summer was 1 Rem TEDE
- The mechanic has received no dose from RNP
- Projected dose rate in the area is 500 mR/hr

What is the **MAXIMUM** time that the mechanic can work on the valve before reaching the Annual Administrative Dose Limit IAW DOS-NGGC-0004, ADMINISTRATIVE DOSE LIMITS?

- A. 1 hour
- B. 2 hours
- C. 4 hours
- D. 8 hours

NRC Exam

73. The RO has determined that for the safety of the reactor and the plant, a reactor trip and initiation of Safety Injection(SI) is necessary. He has announced it to the CRS, however, it has been several seconds and the CRS has not responded.

Which ONE (1) of the following completes the statement below?

The RO should ____ (1) ____ then ____ (2) ____ IAW OPS-NGGC-1000, FLEET CONDUCT OF OPERATIONS.

- A. (1) wait for confirmation from the CRS
(2) trip the reactor and initiate SI
- B. (1) wait for confirmation from the CRS
(2) initiate SI
- C. (1) trip the reactor, verify it is tripped
(2) initiate SI
- D. (1) trip the reactor and initiate SI
(2) perform immediate action steps

74. Given the following plant conditions:

-A **SMALL** fire is reported near the "A" and "B" Auxiliary boilers

Which ONE (1) of the following completes the statement below?

IAW OMM-003, FIRE PROTECTION PRE-PLANS/UNIT NO. 2, the fire brigade must attack this fire with ____ (1) ____ and the fire brigade is required to protect the ____ (2) ____.

- A. (1) a portable fire extinguisher or hose stream
(2) Primary Air Compressor
- B. (1) a portable fire extinguisher or hose stream
(2) Steam Driven AFW pump
- C. (1) hose stream only
(2) Primary Air Compressor
- D. (1) hose stream only
(2) Steam Driven AFW pump

NRC Exam

75. The Plant is at 100% RTP when the following events occur:

- 2115 - Power is lost to all Control Room annunciators
- 2120 - An Unusual Event is declared
- 2125 - The Emergency Notification form is complete and the SM directs you to make the state and county notifications
- 2130 - A reactor trip occurs and the SM declares an Alert
- 2135 - The SM completes a new Emergency Notification form and directs you to make the state and county notifications

Which ONE (1) of the following indicates the latest time the state and counties must **FIRST** be notified?

- A. 2130
- B. 2135
- C. 2140
- D. 2145

ANSWER KEY REPORT

for NRC Exam Test Form: 0

Answers

ID	Points	Type	0
1 008 AK2.03 1	1.00	MCS	D
2 009 EK1.02 1	1.00	MCS	D
3 011 EG2.4.21 1	1.00	MCS	D
4 022 AK3.07 1	1.00	MCS	A
5 025 AK2.02 1	1.00	MCS	D
6 027 AA1.02 1	1.00	MCS	C
7 029 EA1.02 1	1.00	MCS	C
8 038 EK3.08 1	1.00	MCS	B
9 040 AA2.02 1	1.00	MCS	D
10 054 AK1.01 1	1.00	MCS	A
11 055 EG 2.4.21 1	1.00	MCS	B
12 056 AA1.15 1	1.00	MCS	D
13 057 AA2.19 1	1.00	MCS	A
14 058 AK1.01 1	1.00	MCS	A
15 077 AK3.02 1	1.00	MCS	C
16 WE/04 EK2.1 1	1.00	MCS	D
17 WE/05 G2.4.6 1	1.00	MCS	D
18 WE/11 EA2.2 1	1.00	MCS	B
19 028 AA2.03 1	1.00	MCS	B
20 032 AA1.01 1	1.00	MCS	B
21 033 AG2.2.22 1	1.00	MCS	B
22 060 AK3.02 1	1.00	MCS	B
23 067 AK1.02 1	1.00	MCS	B
24 068 AG2.2.37 1	1.00	MCS	B
25 076 AA1.04 1	1.00	MCS	A
26 W/E08 EK1.2 1	1.00	MCS	A
27 W/E10 EK2.2 1	1.00	MCS	A
28 003 A1.09 1	1.00	MCS	C
29 003 K4.04 1	1.00	MCS	B
30 004 K3.08 1	1.00	MCS	A
31 004 K6.26 1	1.00	MCS	C
32 005 A2.04 1	1.00	MCS	D
33 006 A4.02 2	1.00	MCS	A
34 006 K5.10 1	1.00	MCS	B
35 007 K5.02 1	1.00	MCS	A
36 008 A2.03 1	1.00	MCS	C
37 010 K1.08 2	1.00	MCS	D
38 012 A3.04 1	1.00	MCS	C
39 013 K2.01 1	1.00	MCS	C
40 022 A3.01 1	1.00	MCS	D
41 026 G2.2.42 1	1.00	MCS	C
42 039 A4.04 1	1.00	MCS	D
43 059 A2.12 1	1.00	MCS	C
44 061 K6.02 1	1.00	MCS	D
5 062 K3.01 1	1.00	MCS	B
46 063 A1.01 2	1.00	MCS	B

ANSWER KEY REPORT
for NRC Exam Test Form: 0

Answers

	ID	Points	Type	0
47	064 G2.1.27 1	1.00	MCS	A
48	064 K2.01 1	1.00	MCS	A
49	073 A4.01 1	1.00	MCS	D
50	073 K4.01 1	1.00	MCS	C
51	076 A1.02 1	1.00	MCS	B
52	076 K2.01 1	1.00	MCS	D
53	078 G2.4.50 1	1.00	MCS	B
54	078 K1.04 1	1.00	MCS	C
55	103 K4.04 1	1.00	MCS	C
56	002 A2.04 1	1.00	MCS	D
57	011 K6.03 1	1.00	MCS	A
58	014 G2.1.30 2	1.00	MCS	D
59	017 A1.01 1	1.00	MCS	C
60	027 K2.01 1	1.00	MCS	B
61	029 A4.04 1	1.00	MCS	D
62	033 K4.01 1	1.00	MCS	D
63	035 K5.01 1	1.00	MCS	B
64	015 A3.02 1	1.00	MCS	A
65	068 K1.07 2	1.00	MCS	D
66	G2.1.14 1	1.00	MCS	D
67	G2.1.40 1	1.00	MCS	D
68	G2.2.12 1	1.00	MCS	B
69	G 2.2.7 1	1.00	MCS	D
70	G2.3.14 1	1.00	MCS	B
71	G2.3.15 1	1.00	MCS	C
72	G 2.3.4 1	1.00	MCS	C
73	G2.4.12 1	1.00	MCS	C
74	G 2.4.26 2	1.00	MCS	B
75	G2.4.39 1	1.00	MCS	B
SECTION 1 (75 items)		75.00		