JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.

2. Unit 1 is currently in a refuel outage with fuel movement in-progress.

3. The Unit 1 assist NSO has just informed you that the N-31 source range monitor has failed low and he thinks the source range detector has failed.

INITIATING CUES:

1. Determine what actions are required and complete the necessary paper work.

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.

2. Unit 1 is currently in a refuel outage with fuel movement in-progress.

3. The Unit 1 assist NSO has just informed you that the N-31 source range monitor has failed low and he thinks the source range detector has failed.

INITIATING CUES:

1. Determine what actions are required and complete the necessary paper work.

JOB PERFORMANCE MEASURE

TASK TITLE: Initiate 1BOL 9.3 for failed source range detector. JPM No.: Admin-1(SRO)

TPO No: 8E.AM-102 K&A No.: 2.1.41 K&A IMP: 3.7

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR_____

MATERIALS:

1. Copy of Byron Technical Specifications and Bases
2. 1BOL 9.3, LCOAR Nuclear Instrumentation

GENERAL REFERENCES:

1. Byron Technical Specifications
2. Byron Technical Specification Bases
3. 1BOL 9.3, LCOAR Nuclear Instrumentation

TASK STANDARDS:

1. Determine Technical Specification requirements
2. Complete 1BOL 9.3, LCOAR Nuclear Instrumentation

TASK CONDITIONS:

1. You are the Unit Superviosr.
2. Unit 1 is currently in a refuel outage with fuel movement in-progress.
3. The Unit 1 assist NSO has just informed you that the N-31 source range monitor has failed low and he thinks the source range detector has failed.

INITIATING CUES:

Determine what actions are required and complete the necessary paper work.

CRITICAL ELEMENTS: (*) 2, 3 & 4

APPROXIMATE COMPLETION TIME: 10 minutes

Performance Checklist	Standard	Sat	Unsat	N/A
RECORD START TIME _____				
1. Refer to 1BOA INST-1 Nuclear Inst Malfunction Unit 1.	LOCATE and ENTER 1BOA INST-1	___	___	___
2. Enter Att. C and Check SR BLOCK PREMISSIVE – LIT	SR BLOCK Perm. P6 will be LIT	___	___	___
3. Check an Audio Count Rate channel selected at 1PM07J	Ensure an Operable Channel is selected.	___	___	___
4. Check the Unit Mode	GO TO Step 6 since Unit is in Mode 6 per initial cue.	___	___	___
*5. Check At Least 2 SR Channels Operable.	With only 1 SR Channel Operable **Suspend all core alterations and positve reactivity additions.**	___	___	___

Note:

Suspending Core Alterations does not preclude the movement of a component to a safe location.

6. Place HIGH FLUX AT SHUTDOWN switch for affected channel in BLOCK	Place HIGH FLUX AT SHUTDOWN switch for affected channel in BLOCK	___	___	___

Performance Checklist	Standard	Sat	Unsat	N/A
7. Refer to Byron Tech Spec's.	LOCATE and OPEN Byron Tech Spec 3.9.3	___	___	___
*8. Determine Tech Spec 3.9.3 applies.	From the Initial Cue	___	___	___
*9. Complete 1BOL 9.3, LCOAR Nuclear Instrumentation	Find and Complete 1BOL 9.3, LCOAR Nuclear Instrumentation	___	___	___

RECORD STOP TIME _____

COMMENTS:

_____
_____
_____
_____

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit 1 Admin NSO.

2. Unit 1 has a suspected primary to secondary leak in progress and the Unit Supervisor has entered 1BOA SEC-8, SG Tube Leak.

3. You have been ordered to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Complete step F.2, or 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation.

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit 1 Admin NSO.

2. Unit 1 has a suspected primary to secondary leak in progress and the Unit Supervisor has entered 1BOA SEC-8, SG Tube Leak.

3. You have been ordered to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Complete step F.2, or 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation.

JOB PERFORMANCE MEASURE

TASK TITLE: Manually Calculate SG primary to secondary Leak rate. JPM No.: Admin-2(RO)

TPO No: 8E.AM-102 K&A No.: 2.1.34 K&A IMP: 3.5

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR___X__

MATERIALS:

1. Copy of 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation

GENERAL REFERENCES:

1. Byron Technical Specifications
2. Byron Technical Specification Bases
3. 1BOA SEC-1, SG Tube Leak

TASK STANDARDS:

1. Determine Primary to Secondary Leakage per step F.2 of 1BOSR SG-1.
2. Request Chemistry to initiate sampling per BCP 300-9

TASK CONDITIONS:

1. You are the Unit 1 Admin NSO.
2. Unit 1 has a suspected primary to secondary leak in progress and the Unit Supervisor has entered 1BOA SEC-8, SG Tube Leak.
3. You have been ordered to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Complete 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation.

CRITICAL ELEMENTS: (*) 2, 3 & 4
APPROXIMATE COMPLETION TIME: 10 minutes

Performance Checklist	Standard	Sat	Unsat	N/A
RECORD START TIME _____				
1. Review Prerequisites, Precautions, & Limitations and Actions.	Review Prerequisites, Precautions, & Limitations and Actions.	___	___	___
Cue: When asked inform applicant that Chemistry has been NOTIFIED to initiate sampling per BCP 300-9				
*2. Record SJAE Rad Monitor 1PR27J reading from the RM-11 or Point History (PR0094) in step 2.a on data sheet D2.	Detemine SJAE Rad Monitor reading on 1PR27J. xxxx µCi/ml	___	___	___
*3. Record individual SJAE flow readings from shiftly dailies or local readings from NLO.	1A SJAE reading is 18 scfm 1B SJAE reading is 16 scfm for a total of 34 scfm.	___	___	___
Cue: When asked for Chemistry Dept. printout of most current RCS Gas Grab sample results provide sample result printout				
4. Request Chem Dept RCS Gas Grab sample result printout.	Request Grab Sample printout from Chem Dept.	___	___	___
*5. Record weighted mean decay corrected activities from RCS Gas sample printout on data sheet D2.	Record weighted mean decay corrected activities from RCS Gas sample printout on data sheet D2.	___	___	__

Performance Checklist	Standard	Sat	Unsat	N/A
*6. Multiply Grab sample values by corrected RCS Activities for each isotope on data sheet D2.	Multiply Grab sample values by corrected RCS Activities.	___	___	___
*7. Add corrected RCS Activities to find Total RCS Activity on data sheet D2	Calculate Total RCS Activity	___	___	___
*8. Calculate Estimated Leak Rate using SJAE 1PR27J activity, SJAE flow and Total RCS Activity.	Calculate Estimated Leak Rate using SJAE 1PR27J activity, SJAE flow and Total RCS Activity.	___	___	___

THAT COMPLETES THIS JPM.

RECORD STOP TIME _____

COMMENTS:

_____
_____
_____
_____

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.

2. Unit 1 has a suspected primary to secondary leak in progress. You have ordered the Unit 1 Admin NSO to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

3. The Unit 1 Admin NSO has just completed step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Review 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation for completeness and accurracy of results.

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.

2. Unit 1 has a suspected primary to secondary leak in progress. You have ordered the Unit 1 Admin NSO to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

3. The Unit 1 Admin NSO has just completed step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Review 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation for completeness and accurracy of results.

JOB PERFORMANCE MEASURE

TASK TITLE: Manually Calculate SG primary to secondary Leak Rate. JPM No.: Admin-2(SRO)

TPO No: 8E.AM-102 K&A No.: 2.1.34 K&A IMP: 3.5

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR___X__

MATERIALS:

1. Copy of 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation

GENERAL REFERENCES:

1. Byron Technical Specifications

2. Byron Technical Specification Bases

TASK STANDARDS:

1. Determine Primary to Secondary Leakage

2. Request Chemistry to initiate sampling per BCP 300-9

TASK CONDITIONS:

1. You are the Unit Supervisor.

2. Unit 1 has a suspected primary to secondary leak in progress. You have ordered the Unit 1 Admin NSO to preform a manual Steam Generator Primary to Secondary Leakage Estimation calculation per step F.2 of 1BOSR SG-1.

3. The Unit 1 Admin NSO has just completed step F.2 of 1BOSR SG-1.

INITIATING CUES:

1. Review 1BOSR SG-1, Steam Generator Primary to Secondary Leakage Estimation for completeness and accurracy of results.

CRITICAL ELEMENTS: (*) 2, 3 & 4

APPROXIMATE COMPLETION TIME: 10 minutes

Performance Checklist	Standard	Sat	Unsat	N/A
RECORD START TIME _____				
1. Review SJAE Rad Monitor 1PR27J reading on data D2.	Determine 1PR27J Rad Monitor reading was recorded correctly.	___	___	___
*2. Determine Total SJAE flow in step 2.b is calculated incorrectly.	Detemine total SJAE flow reading of 51 scfm is incorrect. Total SJAE flow should be 61 scfm.	___	___	___
*3. Determine Kr-87 & Xe-133 were not transferred correctly from the Chem Dept printout.	Kr-87 & Xe-133 activity were transferred from the Chem. Dept. printout incorrectly. Therefore the total RCS Activity is incorrectly determined.	___	___	___
*4. Determine the Estimated Leak Rate is incorrectly calculated.	Determine the Estimated Leak Rate is incorrectly calculated.	___	___	___

Once applicant determines that the Estimated Leak Rate is calculated incorrectly provide next Cue.

Cue: Determine the correct Estimated Leak Rate. Using this new D2 data sheet.

If asked about determining Leak Rate Correction Factor state the following:

Cue: Chemistry grad sample results following leak initiation are not available right know.

Performance Checklist	Standard	Sat	Unsat	N/A
*5. Calculate correct Estimated Leak Rate using data provided	Calculate correct Estimated Leak Rate using data provided	___	___	___

THAT COMPLETES THIS JPM.

RECORD STOP TIME _____

COMMENTS:

_____
_____
_____
_____

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are a Extra NSO.

2. Unit 1 is currently in at 100% reactor power.

3. Passport is currently unavailable to write Clearance Orders.

4. The Unit 1 Unit Supervisor requests that you write a Clearance Order for the 1A CV pump by hand.

INITIATING CUES:

The Unit Supervisor requests that you hand written a Clearane Order for the Unit 1A CV pump so that Maintenance can replace its outboard pump seal.

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are a Extra NSO.
2. Unit 1 is currently in at 100% reactor power.
3. Passport is currently unavailable to write Clearance Orders.
4. The Unit 1 Unit Supervisor requests that you write a Clearance Order for the 1A CV pump by hand.

INITIATING CUES:

The Unit Supervisor requests that you hand written a Clearane Order for the Unit 1A CV pump so that Maintenance can replace its outboard pump seal.

JOB PERFORMANCE MEASURE

TASK TITLE: Review hand written Clearance Order for Unit-1A CV Pump. JPM No.: Admin-1(SRO)

TPO No: K&A No.: 2.2.41 K&A IMP: 3.9

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR_____

MATERIALS:

1. Hand Written Clearance Order Attachment 14

2. Electrical and Mechanical Prints

GENERAL REFERENCES:

1. OP-AA-109-101, Clearance and Tagging

2. P&ID M-64 sh 1, sh 4

3. CV Electrical Prints 1-4030CV01, 04, and 16…

TASK STANDARDS:

1. Determine the isolation points to hang a Clearance Order on the 1CV01PA pump.

2. Provide an adequate zone of protection to allow a pump seal replacement.

TASK CONDITIONS:

1. You are a extra NSO on shift.
2. Unit 1 is currently in at 100% reactor power.
3. Passport is currently unavailable to write Clearance Orders.
4. The Unit 1 Unit Supervisor requests that you write a Clearance Order for the 1A CV pump by hand.

INITIATING CUES:
The Unit Supervisor requests that you hand written a Clearane Order for the Unit 1A CV pump so that Maintenance can replace its outboard pump seal.

CRITICAL ELEMENTS: (*) 2, 3 & 4

APPROXIMATE COMPLETION TIME: 15 minutes

Performance Checklist	Standard	Sat	Unsat	N/A

RECORD START TIME _____

1.	Perform Hand Written C/O for 1A CV Pp seal replacement.	Perform C/O for 1A CV Pp	___	___	___
*2.	Determine 1CV01PA Breaker Danger Tagged Racked Out (R/O).	Determines Pump Breaker must be Danger tagged in the Racked Out position.	___	___	___
*3.	Determine Discharge, Recirculation, and Suction isolation valves are CLOSED to isolate the pump.	Determines Discharge, Recirculation, and Suction isolation valves are CLOSED to isolate pump.	___	___	___
*4.	Determine the correct hang order for the hand written C/O **Note: The applicant will identify control switches, fuses, vent and drain valves, ect. on this Clearance Order. However, the Critical Tasks will be to identify the electrical and mechanical isolation points for personnel protection and the correct hang order.**	1. MCB Control Switch 2. Pump Breaker Fuses 3. Pump Breaker 4. Aux Oil Pump Breaker 4. Discharge Valve 5. Recirc Valve 6. Suction Valve 7. Vent and Drain Valves	___	___	___

RECORD STOP TIME _____

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.
2. Unit 1 is currently in at 100% reactor power.
3. Passport is currently unavailable to write Clearance Orders.
4. The Unit 1 assist NSO has just completed writing a Clearance Order for the Unit 1A CV pump by hand.

INITIATING CUES:

1. Review and approve the hand written Clearane Order for the Unit 1A CV pump.

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Unit Supervisor.
2. Unit 1 is currently in at 100% reactor power.
3. Passport is currently unavailable to write Clearance Orders.
4. The Unit 1 assist NSO has just completed writing a Clearance Order for the Unit 1A CV pump by hand.

INITIATING CUES:

1. Review and approve the hand written Clearane Order for the Unit 1A CV pump.

JOB PERFORMANCE MEASURE

TASK TITLE: Review hand written Clearance Order for Unit-1A CV Pump. JPM No.: Admin-1(SRO)

TPO No: K&A No.: 2.2.41 K&A IMP: 3.9

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR_____

MATERIALS:

1. Copy of Hand Written Clearance Order

2. Marked up Electrical and Mechanical Prints

GENERAL REFERENCES:

1. OP-AA-109-101, Clearance and Tagging

2. P&ID M-64 sh 1

3. CV Electrical Prints 1-4030CV…

TASK STANDARDS:

1. Determine that Clearance Order contains several flaws and needs to be re-worked.

2. Do not approve / sign Clearance Order

TASK CONDITIONS:

1. You are the Unit Superviosr.
2. Unit 1 is currently in at 100% reactor power.
3. Passport is currently unavailable to write Clearance Orders.
4. The Unit 1 assist NSO has just completed writing a Clearance Order for the Unit 1A CV pump by hand.

INITIATING CUES:
Review and approve the hand written Clearane Order for the Unit 1A CV pump.

CRITICAL ELEMENTS: (*) 2, 3 & 4

APPROXIMATE COMPLETION TIME: 15 minutes

Performance Checklist	Standard	Sat	Unsat	N/A

RECORD START TIME _____

1.	Refer to Hand Written C/O for 1A CV Pp.	Review C/O for 1A CV Pp	___	___	___
*2.	Determine Aux Oil Pp Breaker not Danger Tagged.	Omitted from C/O - Determines Control Switch and Breaker must be Danger tagged.	___	___	___
*3.	Determine discharge check valve being used for isolation. This is prohibited per C/O procedure.	Determines Discharge Check Vlv should be replaced with Discharge Isolation Vlv 1CV8584.	___	___	___
*4.	Determine that no vent valve is opened to facilitate draining.	Determines that no vent path established to facilitate draining.	___	___	___

RECORD STOP TIME _____

Performance Checklist	Standard	Sat	Unsat	N/A

Comments:

Job Performance Measure

Task Conditions:

1. You are the Unit 1 Assist NSO

2. Unit 1 is currently operating at 100% power with all systems in automatic control.

Initiating Cue:

1. Respond to changing plant conditions.

Job Performance Measure

Task Conditions:

1. You are the Unit 1 Assist NSO

2. Unit 1 is currently operating at 100% power with all systems in automatic control.

Initiating Cue:

1. Respond to changing plant conditions.

Job Performance Measure

Task Title: Respond to Turbine Bldg. fire alarm. JPM No. Admin-4(RO)

TPO No.: K/A No.: 086A3.03 K/A Imp: 2.9 / 3.3

Examinee:_____ Date: _____

PASSED _____ Time Started: _____

FAILED _____ Time Finished: _____

Location: In Plant _____ Simulator: _____

Materials:
1. BAP 1100-10, Response Procedure for Fire
2. BAR 1PM09J-E17, U1 Turbine Bldg Mezz. Floor 426' (1D-37)
3. BOP FR-1, Fire Response Guidelines

General References:
1. BAP 1100-10, Response Procedure for Fire
2. BAR 1PM09J-E17, U1 Turbine Bldg Mezz. Floor 426' (1D-37)
3. BOP FR-1, Fire Response Guidelines

Task Standards:
1. Refer to BAR 1PM09J-E17 for Fire Alarm 1D-37
2. Refer to BAP 1100-10, Response Procedure for Fire
3. Complete Section C of BAP 1100-10

Task Conditions:
1. You are the Unit 1 Assist NSO
2. Unit 1 is at 100% power with all controls in Automatic

Initiating Cue:
1. Respond to changing plant conditions

Critical Elements: (*)

Approximate Completion Time: 10 minutes

PERFORMANCE CHECKLIST	STANDARD	SAT	UNSAT	N/A
Record Start Time_____				
Note: Applicant will receive a Turb. Bldg Fire Alarm				
1. Respond to fire alarm 1D-37 on 1PM09J	Respond to fire alarm 1D-37 on Fire Hazards panel 1PM09J	___	___	___
2. Refer to BAR 1PM09J-E17, U1 TB 426' Mezz.	Refer to BAR 1PM09J-E17	___	___	___
Note: The plant Emergency Phone will ring and an NLO will inform the U1 Assist NSO of a fire near the Hydrogen Seal Oil Skid.				
3. U1 Assist NSO answers Emergency Phone and utilizes ECF Forms or Byron Station Operating Emergency Report Sheet to record vital information regarding information received during call.	Answer Emergency Phone and respond to report of a fire in the turbine bldg	___	___	___
Cue: As Unit Supervisor acknowledge NSO notification of fire in turbine bldg.				
4. U1 Assist NSO verbally notifies the Unit Supervisor of the fire.	Notify Unit Supervisor of fire in turbine bldg.	___	___	___

PERFORMANCE CHECKLIST	STANDARD	SAT	UNSAT	N/A
*5. U1 Assist NSO announces the fire over the public address system.	NSO announces the fire over public address system	___	___	___
*6. U1Assist NSO announces the fire location over the radio and requests fire brigade members to respond.	NSO announces the fire location over the radio and requests fire brigade members to respond	___	___	___
*7. U1 Assist NSO actuates the plant fire alarm for approximately 2 minutes	NSO actuates the plant fire alarm for approximately 2 minutes	___	___	___
Note: CO_2 or Halon systems will not actuate as a result of this fire.				
8. U1 Assist NSO should call Rad Protection and Security and have them report to Fire Brigade Chief at the scene of the fire.	NSO notifies Rad Prot. and Security to report to fire chief at the scene	___	___	___
Note: Fire Brigade Chief will notify control room of fire status and the need for offsite Fire Department assistance and Emergency Medical Service assistance.				
9. U1 Assist NSO will receive radio communication from Fire Chief on fire status and the need for offsite assistance. NSO will document condition on Byron Station Operating Emergency Report Sheet Fire/Accident/Illness form.	NSO documents fire conditions and need for offsite assistance on Byron Station Operating Emergency Report Sheet Fire/Accident/Illness form.	___	___	___

PERFORMANCE CHECKLIST	STANDARD	SAT	UNSAT	N/A
*10. U1 Assist NSO Notifies Offsite Fire Dept. and Emergency Medical Service by calling 911.	**Notify** Offsite Fire Dept and Emergency Medical Service	___	___	___

THAT COMPLETES THIS JPM

COMPLETION TIME: _____

Comments:

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the Field Supervisor.
2. A Liquid Radwaste Release Form BCP 400-TWX01 is currently being processed.
3. You have the Liquid Release Package and it is completed up to step 8.5.

INITIATING CUES:

1. You are to review BCP 400-TWX01 and ensure sections 1, 2, 3, 4, 5, and 6 have been completed properly to authorize the liquid release.

TASK CONDITIONS:

1. You are the Field Supervisor.
2. A Liquid Radwaste Release Form BCP 400-TWX01 is currently being processed.
3. You have the Liquid Release Package and it is completed up to step 8.5.

INITIATING CUES:

1. You are to review BCP 400-TWX01 and ensure sections 1, 2, 3, 4, 5, and 6 have been completed properly to authorize the liquid release.

JOB PERFORMANCE MEASURE

TASK TITLE: Review Liquid Release Package and determine where four flaws are located. JPM No.: Admin-4(SRO)

TPO No: K&A No.: 2.3.6 K&A IMP: 3.8

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR_____

MATERIALS:

1. BCP 400-TWX01, Rev. 53
2. 0BOL 11.a, Radioactive Liquid Effluent Monitoring Instrumentation
3. 0BRSR 11.c.1-1, Radioactive Liquid Effluents – Shift Manager Request – Prior to Each Liquid Release???
4. Chemistry Sample results from 0WX01T.
5. Radiation Protection analysis for a Liquid Release Package.

GENERAL REFERENCES:

1. Byron Technical Specification
2. BCP 400-TWX01

TASK STANDARDS:

1. Determine that section 5.4 Rad Monitor Setpoints were incorrectly chosen.
2. Determine that the signature is missing for the Radiation Protection Supervisor in section 5.9 .
3. Determine that section 6.16.1 is incorrectly indicating the wrong release path (0WX001 is recorded instead of 0WX630).
4. Determine that step 6.16.10 is misssing a verification initial.

CRITICAL ELEMENTS: (*) 2, 3, 4, & 5

APPROXIMATE COMPLETION TIME: 20 minutes

Performance Checklist	Standard	Sat	Unsat	N/A
RECORD START TIME _____				
1. Refer to BCP 400-TWX01, Liquid Radwaste Release Form.	Determine procedure is completed up to step 8.5 where the Field Supervisor is to review Release Package to ensure it is completed properly.	___	___	___
*2. Determine that the Rad Monitor Setpoints in step 5.4 were chosen incorrectly. Setpoints should have been left at 1.23E-4 and 6.13E-5.	STEP 5.4 Rad Monitor Setpoints were chosen incorrectly. Setpoints should have been left at 1.23E-4 and 6.13E-5. Not recorded as 7.92E-7.	___	___	___
*3. Determine that the Rad Protection Supervisor did not sign step 5.9.	STEP 5.9 The Rad Protection Supervisor signature is missing.	___	___	___
*4. Determine that the NSO recorded the wrong release flow path in step 6.16.1.	STEP 6.16.1 NSO records the incorrect flow path. Should be 0WX630 NOT 0WX001.	___	___	___
*5. Dtermine the verification blank for step 6.16.10 is not initialed.	STEP 6.16.10 The Verification Blank is not initialed for the Rad Monitor setpoints.	___	___	___
RECORD STOP TIME _____				
	Ensure an Operable Channel is selected.			

Performance Checklist	Standard	Sat	Unsat	N/A

Comment:

_____

_____

_____

_____

JOB PERFORMANCE MEASURE

TASK CONDITIONS:

1. You are the WEC Supervisor.

2. You have just received a call that the door from the Turbine Bldg into the Div. 11 ESF Switchgear Room is broken and stuck half way open.

3. All plant fire protection and fire detection systems are available.

INITIATING CUES:

1. As the WEC Supervisor determine the required actions that must be initiated and fill out the required paper work.

TASK CONDITIONS:

1. You are the WEC Supervisor.

2. You have just received a call that the door from the Turbine Bldg into the Div. 11 ESF Switchgear Room is broken and stuck half way open.

3. All plant fire protection and fire detection systems are available.

INITIATING CUES:

1. As the WEC Supervisor determine the required actions that must be initiated and fill out the required paper work.

JOB PERFORMANCE MEASURE

TASK TITLE: Complete a PBI Permit for door SD351. JPM No.: Admin-5(SRO)

TPO No: K&A No.: 2.4.25 K&A IMP: 3.7

EXAMINEE:_____ DATE: ___/___/___

The Examinee: PASSED_____ this JPM TIME STARTED: _____

FAILED _____ TIME FINISHED: _____

EVALUATION METHOD: PERFORM_____ SIMULATE_____

LOCATION: IN PLANT_____ SIMULATOR_____

MATERIALS:

1. CC-AA-201, Plant Barrier Control Program
2. BAP 1100-3, Plant Barrier Impairment (PBI) Program
3. BAP 1100-3A3, Pre-Evaluated Plant Barrier Matrix
4. 0BOL 10.g, LCOAR Fire Assemblies TRM LCO # 3.10.g

GENERAL REFERENCES:

1. Byron Technical Requirements Manual
2. Byron Station Fire Plan
3. Byron Station UFSAR

TASK STANDARDS:

1. Complete section I. of Attatchment 1, Plant Barrier Impairment Permit.
2. Determine the broken door is a Fire Barrier, Security Barrier, and a HELB barrier and complete section II. of Attatchment 1, Plant Barrier Impairment Permit.
3. Determine that a hourly fire watch must be initiated and document on Attatchment 1, Plant Barrier Impairment Permit. Also identify the correct Detection Zones and Fire Zones to be watched.
4. Complete sections III. and IV. of Attatchment 1, Plant Barrier Impairment Permit to authorize the PBI.

CRITICAL ELEMENTS: (*) 2, 3, 4, & 5 APPROXIMATE COMPLETION TIME: 20 minutes

Performance Checklist	Standard	Sat	Unsat	N/A

RECORD START TIME _____

1. Refer to CC-AA-201, Plant Barrier Control Program. **Note: Applicant may refer to BAP 1100-3, PBI Program for guidance.** **Note: Applicant should refer to BAP 1100-3A3, Pre-Evaluated Plant Barrier Matrix.**	Determine that Attachment 1, Plant Barrier Impairment Permit needs to be filled out.	___	___	___
*2. Complete Section I. of PBI Permit	Complete Section I. of PBI Permit • Component- Door from Turbine Bldg to Div. 11 ESF Switchgear Room • EPN / ID – 0DSD351 Unit 1, 8 / L / 426' • Applicable Dwgs • Description of Barrier Impairment • Reason for Barrier Impairment • Support of Maint Activity – NO • Initiator signature and date	___	___	___
*3. Complete Section II. of PBI Permit	Complete Section II. of PBI Permit • **Fire Barrier Applicable – Yes**	___	___	___

Performance Checklist	Standard	Sat	Unsat	N/A
	• Compensatory Action Required – Yes • Fire Watch Required – Yes Hourly • Fire Detection OP Check Required – Yes • Detection Zones NEED TO LIST • Fire Zones NEED TO BE LISTED			
When applicant notifies security provide the following cue **CUE: A Security Guard will be posted to protect the Div. 11 ESF Switchgear Room.**	• **Security Barrier – Yes** • Compensatory Action Required – Yes MOST LIKELY STATION SECURITY GUARD	___	___	___
	• **Ventilation Barrier – No per BAP 1100-3A3**	___	___	___
	• **Flood Barrier – No**	___	___	___
	• **HELB Barrier – Yes** • Compensatory Action – Yes Temporary HELB barrier required per BAP 1100-3A3 • Mode restrictions – No • 90 day time clock applicable? – Yes • 50.59 review required? – Yes	___	___	___
	• **Missle Barrier – No**	___	___	___
	• **Occupational Rad Protection – No**	___	___	___
	• **Post LOCA Radiation EQ – No**	___	___	___

Performance Checklist	Standard	Sat	Unsat	N/A
*4. Complete Section III. of PBI Permit Sign and Date	• Sign Section IV. Permission to Impair Barrier	____	____	____
*5. Complete Section IV. of PBI Permit	• Sign Section IV. of PBI Permit	____	____	____

That Completes this JPM

Completion Time _____

Comment: