JPM NO JR001.008

Calculate Shutdown Margin for Operating Reactor with an Untrippable Rod

Revision #: 01

Review Date: 4/16/2004

Location: Simulator/Classroom

Estimated Time (minutes): 21.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

NOTE

THE EVALUATOR WILL EXPLAIN THE JPM INITIAL CONDITIONS AND PROVIDE CLARIFICATION AS REQUIRED. THE EXAMINEE MAY USE ANY CONTROLLED COPY REFERENCES THAT ARE NORMALLY AVAILABLE IN THE CONTROL ROOM, INCLUDING LOGS. MAKE ALL WRITTEN REPORTS, ORAL REPORTS, AND LOG ENTRIES AS IF THE EVOLUTION WAS ACTUALLY BEING PERFORMED. THE EVALUATOR WILL BE TAKING NOTES. ASK FOR CLARIFICATION OF JPM REQUIREMENTS PRIOR TO THE BEGINNING

Initial Conditions:

Shutdown Margin Data Sheet:
100% power
Tavg - 560.9 deg. F
Tref - 561.0 deg. F
Burnup - 4900 MWD/MTU Date: 4/5/04
Boron Sample 1217 PPM Date: 4/3/04 0700
Rod Position
  Bank C 230 steps
  Bank D 213 steps
PT-1 was being performed and Rod K-7 would not move. The SS directs that K-7 be assumed to be stuck (untrippable).

Initiating Cues :

Shift Supervisor requests a SDM calculatuion. Rod K-7 has been determined to be untrippable.

Description: Calculate Shutdown Margin for Operating Reactor with an Untrippable Rod (JR001

JPM Tasks

Task ID: 001-010-01-01B

Task Standards

Tools :

Calculator

Procedure

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PRO	O-3.2	SHUTDOWN MARGIN FOR AN OPERATING REACTOR		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

If simulator used:
1) At power IC, greater than 50% power.
2) Predetermined data of Burnup, Rx Power, Boron Concentration and Rod Height filled out in an O-3.2.

Performance Checklist

1 **Element :**
Obtain controlled copy of O-3.2.

Conditions :
CUE: Give student copy of O-3.2.

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

2 **Element :**
Review procedure and verify initial conditions.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*3 **Element :** **CRITICAL**
Properly collect and record data in O-3.2.

Conditions :
CUE: After the student completes Step 5.5, handout predetermined data.

Standards :
Obtain data (from PPCS if in service or from Control Room indicators or from data sheet if given).

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*4 **Element :** **CRITICAL**
Properly perform calculations per O-3.2.

Conditions :

Standards :
Same as element.
1) Read power defect +/- 25 pcm
2) If interpolate allow any value between rows.
3) Calculated SDM +/- 50 pcm of answer key.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

5 **Element :**
Compare SDM to Figure 1.

Conditions :
TERMINATING CUE: No further action.
NOTE: Attach completed O-3.2 to this JPM.

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM NO JR015.001

Manually Calculate QPTR

Revision #: 6

Review Date: 3/22/2004

Location: Plant or Simulator

Estimated Time (minutes): 14.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

NOTE

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Initial Conditions:

100% power following a load rejection and return.

Initiating Cues :

Following a load rejection and subsequent return to 100% power, the SS wants a QPTR performed per O-6.4. Calculate QPTR from the attached data.

Description: Manually Calculate QPTR (JR015.001)

JPM Tasks

Task ID: 015-004-04-01A

Task Standards

Tools :

Calculator

Procedure

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PRO	O-6.4	CORE QUADRANT POWER TILT CALCULATION		☐

Safety Considerations :

Consequences of Inadequate Performance:

General Comments :

CONTROL ROOM PERFORMANCE: Inform the Shift Supervisor of the activities to take place in the Control Room. Collect data to be used for generation of answer key.

SIMULATOR PERFORMANCE: Any full power IC. Collect data to be used for generation of answer key.

Performance Checklist

1 **Element :**
Note

Conditions :
NOTE: Evaluator perform QPTR for answer key. Students answer must be greater than 1.0 and within 0.01 of instructor calculated value.

Standards :

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

2 **Element :**
Obtain controlled copy of O-6.4.

Conditions :
CUE: Instructor may provide attachment copy.

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element :
Review procedure, verify precautions and initial conditions.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

4 **Element :**
Properly collect and record data required by O-6.4, Attachment 1.

Conditions :

Standards :
Uses data sheets.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*5 **Element :** **CRITICAL**
Properly perform calculations per O-6.4, Attachment 1.

Conditions :
Determine QPTR > 1.02

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*6 **Element :** **CRITICAL**
Determine Tech Spec 3.2.4 must be entered.

Conditions :
No further actions.

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question J015.001A

O-6.4, Core Quadrant Power Tilt Calculation, used to detect a tilt which builds in over time period of 8 hours to 30 days. What is used after each fuel reloading prior to 50% of rated power to measure power distribution?

Answer

Movable Detector System (Flux Map).

References

Reference Type	Reference ID	Description	Ref Flag
TECHSP	ITS 3.2	POWER DISTRIBUTION LIMITS	X

JPM NO JR083.001

S-26.1, Computer Check

Revision #: 2

Review Date: 1/28/2004

Location: Plant or Simulator

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

Plant at 100% power. O-6.13 DAILY SURVEILLANCE LOG is being performed.

Initiating Cues :

In accordance with O-6.13 the Computer Check needs to be performed.

Description: S-26.1, Computer Check (JR083.001)

JPM Tasks

Task ID: 083-002-01-01A

Task Standards

Tools :

Terminating Cues

Task Completion

References :

ID		Description	Review Date	Ref Flag
PRS	S-26.1	COMPUTER PROGRAM CHECK		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

Performance Checklist

1 **Element :**
Obtain proper procedure S-26.1.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*2 **Element :** **CRITICAL**
Check QPTR Monitor
a) Select one of the following on Sub/Delete/Restore Display
- QPT41
- QPT42
- QPT43
- QPT44

b) Substitute a value of 1.02 for the selected point
c) Verify that MCB Alarm F-29 and PPCS Alarms QPT__Q HALM and QPT__QL ALRM annunciate within approximately 2 minutes.
d) Restore the point selected to scan.
e) Verify F-29 and the PPCS alarms clear.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element : **CRITICAL**
AFD Monitor Check
a) Select "Auto Computer Check" from the Operation Menu on PPCS and select "Initiate"
b) Verify alarms on PPCS come in and then clear in approximately 2 minutes.
AXTESTR
AXT
AXTIME
AXTL
AXTTEST
AXTTISL
c) Verify MCM Alarm F-29 annunciates in approximately one minute
d) Verify MCB alarm F-29 clears approximately one minute after coming in.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*4 **Element :** **CRITICAL**
Rod Position Deviation Check
a) From the Operation Menu, select Sub/Delete/Restore
b) Substitute a value for a control rod that is +/- 13 step from the rods actual position on bank step counter
c) Verify MCB Alarm C-5 annunciates within 5 seconds.
d) Restore the point selected in b) to scan.
e) Verify MCB Alarm C-5 clears within 5 seconds.

Conditions :

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element : **CRITICAL**
CNMT Temperature Verification
a) Verify the following points display a "good" quality code
- TCV03
- TCV07
- TCV08
- TCV09
- TCV10
- TCV17

Conditions :
CUE: No further action

Standards :
Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

nswer

References

Reference Type	Reference ID	Description	Ref Flag

JPM NO JR352.001

Monitor Critical Safety Function Status Trees

Revision #: 2

Review Date: 8/11/1998

Location: Simulator

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant experienced a reactor trip and SI. The CRF has directed you to monitor Critical Safety Function Status Trees. SAS is out of service.

Initiating Cues :

Given the attached data, determine the status of the CSFSTs.

CSFST Data Sheet

Rx tripped from 100% power 30 minutes ago
RCS pressure - 1450 psig
Przr Level - 95%
Average Core Exit Temp. 300°F
RCPs - both off
N-41, 42, 43, 44 - 0%
N-35, 36 - $1x10^{-11}$ amps/SUR 0
N-31, 32 - $3x10^{3}$ cps/SUR - .1 DPM
RVLIS - 90% both channels
SI Pump - 2 running
RHR Pump - none running
RCS Loop Temperatures
- A_{HOT} - 300 stable
- B_{HOT} - 305 stable
- A_{COLD} - 230°F stable
- B_{COLD} - 200°F slowly increasing

CNMT Press - .2 psig
Sump B 0 inches
R29/30 0 R/hr
Steam Generator Pressure
- A - 50 psig
- B - 50 psig

Steam Generator Levels
- A - 150" Wide Range
  0% Narrow Range
- B - 210" Wide Range
  0% Narrow Range

AFW Flow
- A S/G - 50 gpm
- B S/G - 50 gpm

Description: Monitor Critical Safety Function Status trees (JR352.001)

JPM Tasks

Task ID: 344-006-05-01A

Task Standards

Correctly determines CSF status.

Tools :

Terminating Cues

Terminate when CSF status sheet completed.

References :

ID		Description	Review Date	Ref Flag
PRF	F-0.1	SUBCRITICALITY CSFST		☐
PRF	F-0.2	CORE COOLING CSFST		☐
PRF	F-0.3	HEAT SINK		☐
PRF	F-0.4	INTEGRITY CSFST		☐
PRF	F-0.5	CONTAINMENT CSFST		☐
PRF	F-0.6	INVENTORY CSFST		☐

Safety Considerations :

Consequences of Inadequate Performance:

Improper application of EOP.

General Comments :

Fill out data sheets that will give two red paths, Heat Sink and Integrity, all others are green.

Performance Checklist

1 **Element :**
NOTE

Conditions :
NOTE: Step is critical if an orange or red path exists.

Standards :

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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2 **Element :**
Monitor Subcriticality and determine correct terminus.

Conditions :
Green

Standards :
MONITOR:
(F-0.1 Sbcriticality)

-Power range
-Intermediate range
-source range energized
-source range SUR

as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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3 **Element :**
Monitor Core Cooling and determine correct terminus.

Conditions :
Green

Standards :
MONITOR:
(F-0.2 Core Cooling)

-Core Exit Thermocouples
-RCS subcooling
-RCP status
-RVLIS
-Cnmt pressure
-Cnmt radiation

as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*4 **Element :** **CRITICAL**
Monitor Heat Sink and determine correct terminus.

Conditions :
Red

Standards :
MONITOR:
(F-0.3 Heat Sink)

-S/G level
-Feedwater flow
-S/G pressure
-Cnmt pressure
-Cnmt radiation

as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*5 **Element :** **CRITICAL**
Monitor Integrity and determine correct terminus.

Conditions :
Red

Standards :
MONITOR:
(F-0.4 Integrity)

-RCS temperature decrease over last 60 minutes
-RCS cold leg temperature
-RCS pressure, locate point on curve

as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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6 **Element :**
Monitor Containment and determine correct terminus.

Conditions :
Green

Standards :
MONITOR:
(F-0.5 Containment)

-Cnmt pressure
-Cnmt Sump B level
-Cnmt radiation

as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

7

Element :
Monitor inventory and determine correct terminus.

Conditions :
Green

Standards :
MONITOR:
(F-0.6 Inventory)

-SI Pump status
-Przr level
-RVLIS
- RCP pump status
as necessary

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*8

Element : **CRITICAL**
Identify highest priority CSF.
Recommend procedure.

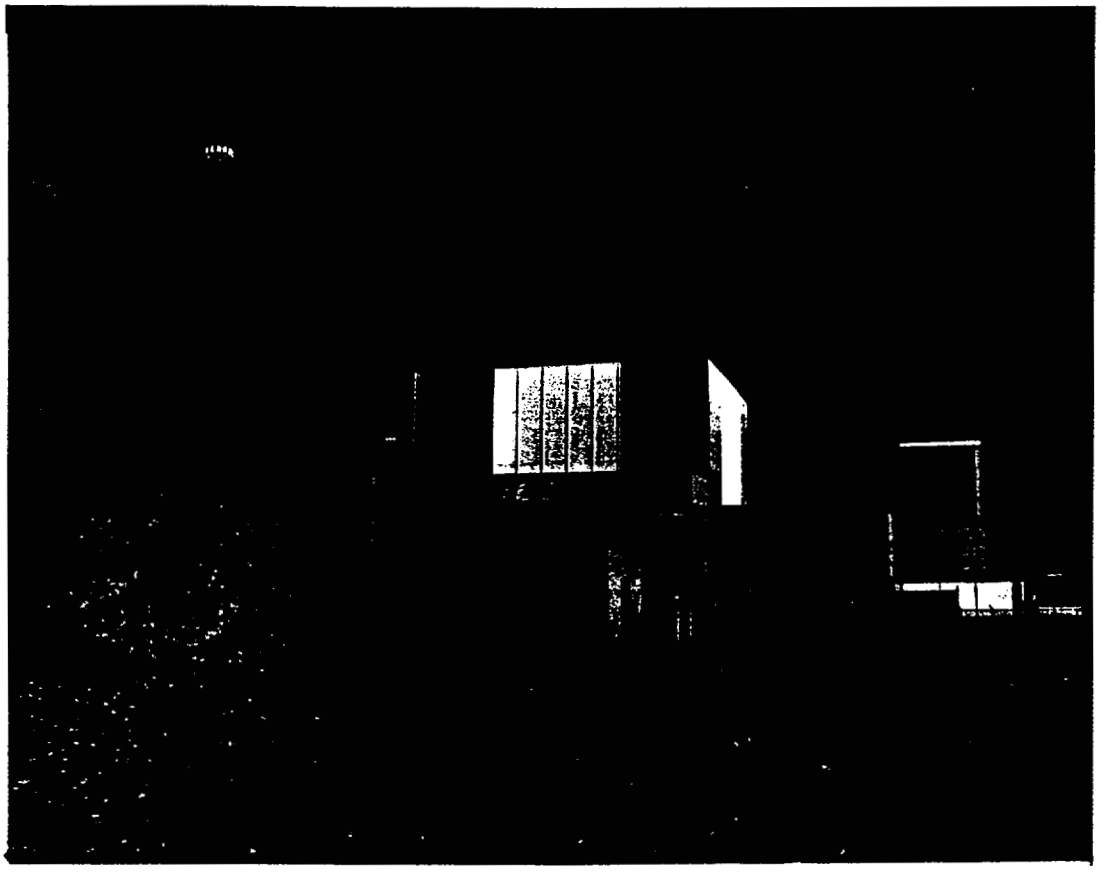
Conditions :
CUE: No further action.

Standards :
Identify highest priority red terminus if any, recommend correct procedure.
Else; identify highest priority orange terminus if any, recommend correct procedure.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Book 9
SRO Admin Exam



JPM NO JS343.003

Shift Staff Emergency Call-In

Revision #: 0

Review Date: 2/6/2004

Location: Plant or Simulator

Estimated Time (minutes): 15.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant is at 100% power. It is a Wednesday afternoon at 1500 hrs. Shift staffing is at a minimum and none of the A.O.'s are licensed.

Initiating Cues :

You are the Shift Supervisor when you are informed that the oncoming Control Room Foreman cannot report due to a medical emergency at home. Review the attached schedule and determine if they can or cannot be called in for replacing the leaving Control Room Foreman without waiving overtime requirements. Give the reason why each can/cannot be called in to take the CRF position.

Description: Call In Additional Personnel, As Necessary

JPM Tasks

Task ID: 343-006-03-03

Task Standards

In accordance with the procedure

Tools :

Procedure

Terminating Cues

Task Completion

References :

ID		Description	Review Date	Ref Flag
PRADM	A-52.14	FITNESS FOR DUTY VERIFICATION FOR UNSCHEDULED WORK TOURS		☐
PROPS	OPG-PQW	Position Qualified To Work List		☐

Safety Considerations :

Consequences of Inadequate Performance:

Violation of Federal Regulations

Violation of State Regulations

General Comments :

Need copies of the Ops schedule. Prepare list of potential call in for the key ahead of time. Ensure that some of the potential call-ins will violate the overtime limits.

Performance Checklist

	Element :	Conditions :	Standards :
1	NOTE:	Sequence is not critical. CUE: Give copy of A-52.14 and Ops schedule.	

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

	Element : CRITICAL	Conditions :	Standards :
*2	Review Ops schedule and compare people on list from Step 2 above	Selects individuals who do not violate overtime rules. CUE: No further actions.	Evaluate people on list against recent and future time scheduled to ensure they do not violate the O.T. rules, e.g.: Not > 16 continuous, - no more than 24 hrs in 48 hrs, - no more than 72 hrs in 7 day period - at least 8 hours off between periods. List reason why they cannot be called in.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

Shift Schedule for the Last Week

Day	CRF 1	CRF 2	CRF 3	CRF 4	CRF 5
Wednesday (Last Week)	Off	A (8)	A (8)	Off	D (8)
Thursday	Off	A (8)	A (8)	D/A (16)	D (8)
Friday	Off	A (8)	A (8)	D (8)	R (8)
Saturday	Off	Off	M (8)	2 (12)	Off
Sunday	Off	Off	Off	2 (12)	Off
Monday	D (8)	Off	Off	D (8)	T (8)
Tuesday	D/A (16)	M (8)	M (8)	D/A (16)	Vac
Wednesday (Today)	D (8)	M/D (16)	M (8)	Off	M/T (16)

Overtime Work

CRF #1	Tuesday/Wednesday > 24 hrs in 48 hrs (3.1.2)
CRF #2	Tuesday/Wednesday > 24 hrs in 48 hrs (3.1.2) < 8 hour break (3.1.4)
CRF #3	Okay, meets all rules
CRF #4	> 72 hrs in 7 day period (3.1.3)
CRF #5	< 8 hr break (3.1.4)

JPM NO JS341.001

Loss of Safety Function Determination

Revision #: 0

Review Date: 1/28/2004

Location: Classroom

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory**_____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

100% power normal operations. The following equipment is out of service: "D" SW pump for work on the coupling. "B" CNMT Recirc Fan Cooler is out for repair due to a leak on the motor cooler. MOV 852A is held for thermal overload replacement on its breaker.

Initiating Cues :

MCC 1D supply breaker trips and cannot be reset. MCC 1D is deenergized. What action needs to be taken per Tech Specs.

Description: Evaluate Plant Conditions And Coordinate Appropriate Actions Per Plant Technica

JPM Tasks

Task ID: 341-027-03-02

Task Standards

Determine that a plant shutdown is required by Tech Spec in accordance with TS 3.0.3.

Tools :

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PROPSA	A-52.4	CONTROL OF LIMITING CONDITIONS FOR OPERATING EQUIPMENT		☐
TECHSP	ITS 3.0	LIMITING CONDITION FOR OPERATION (LCO) AND SURVEILLANCE REQUIREMENT (SR) APPLICABILITY		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

Performance Checklist

1 **Element :**
Obtain copy of Tech Specs and A-52.4.

Conditions :

Standards :
Same as Element.
INITIATING CUE: MCC 1D supply breaker trips and cannot be reset. MCC 1D is deenergized. What action needs to be taken per Tech Specs.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*2 **Element :** **CRITICAL**
Per Tech Spec 3.8.9, determine that B train AC electrical distribution is inoperable.

Conditions :

Standards :
Same as Element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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3 **Element :**
Fill out A-52.4 3.2.1-3.2.3.

Conditions :

Standards :
Same as Element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*4 **Element :** **CRITICAL**
Perform safety function evaluation (per attachment II)

Conditions :

Standards :
Evaluate OOS equipment in combination with:
1) SW Pump "D" - not in SW Tech Spec, therefore, 3.8.9 give guidance.
2) "B" CNMT Recirc Fan. All other fans still have normal power supplies, therefore, do not have a loss of safety function.
3) MOV 852A - Both train of RHR have lost the ability to inject, therefore, both trains are inoperable.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*5 **Element :** **CRITICAL**
Determine that both trains ECCS inoperable. Enter T.S. 3.5.2C.

Conditions :

Standards :
Both train ECCS inoperable
Immediate entry to LCO 3.0.3.
CUE: No further actions required.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

iswer

References

Reference Type	Reference ID	Description	Ref Flag

JPM NO JS034.001

Approve a Fuel Handling Deviation Report

Revision #: 1

Review Date: 1/28/2004

Location: Classroom

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

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Initial Conditions:

The plant is in Refueling Mode with the core partially reloaded after a full off load. A problem has occurred in reloading an assembly. A twice burned assembly being reloaded is not able to be seated on the pins in the lower core plate. The refueling crew is recommending overcoming this problem be deviating from the fuel movement sequence by temporarily storing the affected assembly and building a box around the affected location by continuing the reload.

Initiating Cues :

Review the attached Fuel Handling Deviation Report as the Control Room Shift Supervisor.

Description: Approve Fuel Movement Deviations

JPM Tasks

Task ID: 034-016-01-02

Task Standards

SRO has determined that attached deviation is unacceptable.

Tools :

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PRO	O-15.1	ADMINISTRATIVE REQUIREMENTS FOR CHECKLIST FOR ENTRY TO MODE 6, AND REFUELING CONDITIONS		☐
PRRF	RF-65	REACTOR REFUELING PROCEDURE VOLUME I REFUELING PROCEDURE INSTRUCTIONS		☐
PRRF	RF-65.2	REACTOR REFUELING PROCEDURE VOLUME III FUEL MOVEMENT OPERATIONS		☐
PRRF	RF-8.4	FUEL AND CORE COMPONENT MOVEMENT IN THE SPENT FUEL PIT		☐

Safety Considerations :

Consequences of Inadequate Performance:

Incorrect storage of the assembly is a loss of reactivity control during refueling operations.

General Comments :

Performance Checklist

1 **Element :**
Obtain copy of RF-65.2 Section 1.3.1

Conditions :

Standards :
Same as Element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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2 **Element :**
Review requirements for storage and building temporary boxes (steps 24 and 25).

Conditions :

Standards :
Same as Element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

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*3 **Element :** **CRITICAL**
Review the deviation report against the requirements of steps 24 and 25.

Conditions :
Storage location is not acceptable.

No further actions.

Standards :
Does not approve the report

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

ATTACHMENT 1.3.1-3

FUEL ASSEMBLY HANDLING DEVIATION REPORT					
STEP NO.	DATE AND TIME	FUEL ASSEMBLY # AND/OR INSERT #	PROBLEM DESCRIPTION	PROBLEM SOLUTION AND REMEDIAL ACTION	INIT AND TIME
46	4/9/04	G-32	Due to the bowing of assembly G-32 it could not be inserted into it's final core location E-5. See the attached "Before" core map.	1) Temporarily store assembly G-32 in core location C-11. 2) Continue fuel movement until step 83 is complete. See attached "After" core map 3) Move assembly G-32 from core location C-11 to its' final location E-5. 4) Resume core loading at step 84 of the sequence.	

*Reactor Engineer_____ Date_____

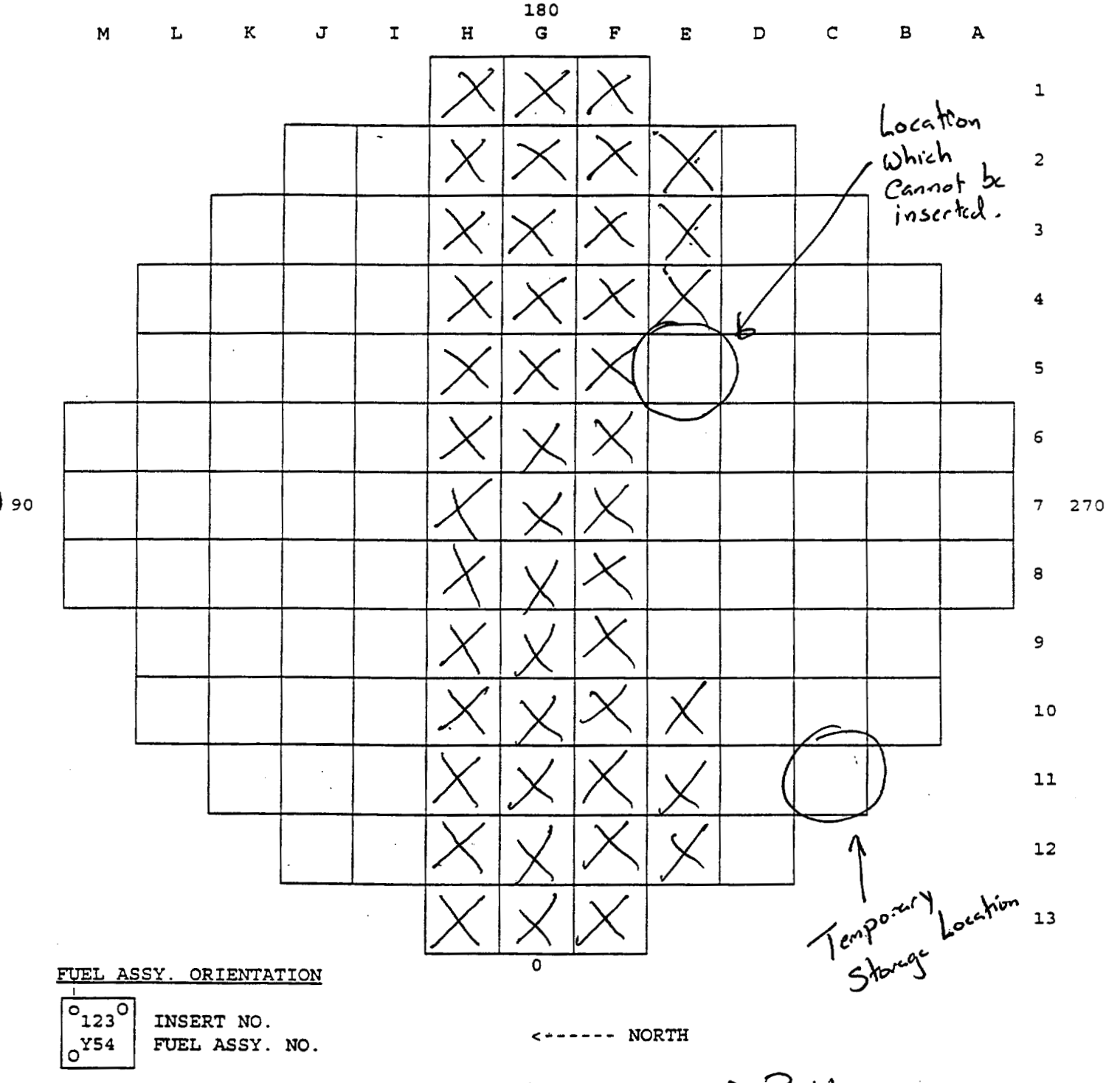
* Control Room Shift Supervisor_____ Date_____

* Required for fuel movement sequence changes only

Completed by:_____

Before

ATTACHMENT 1.3.4-2

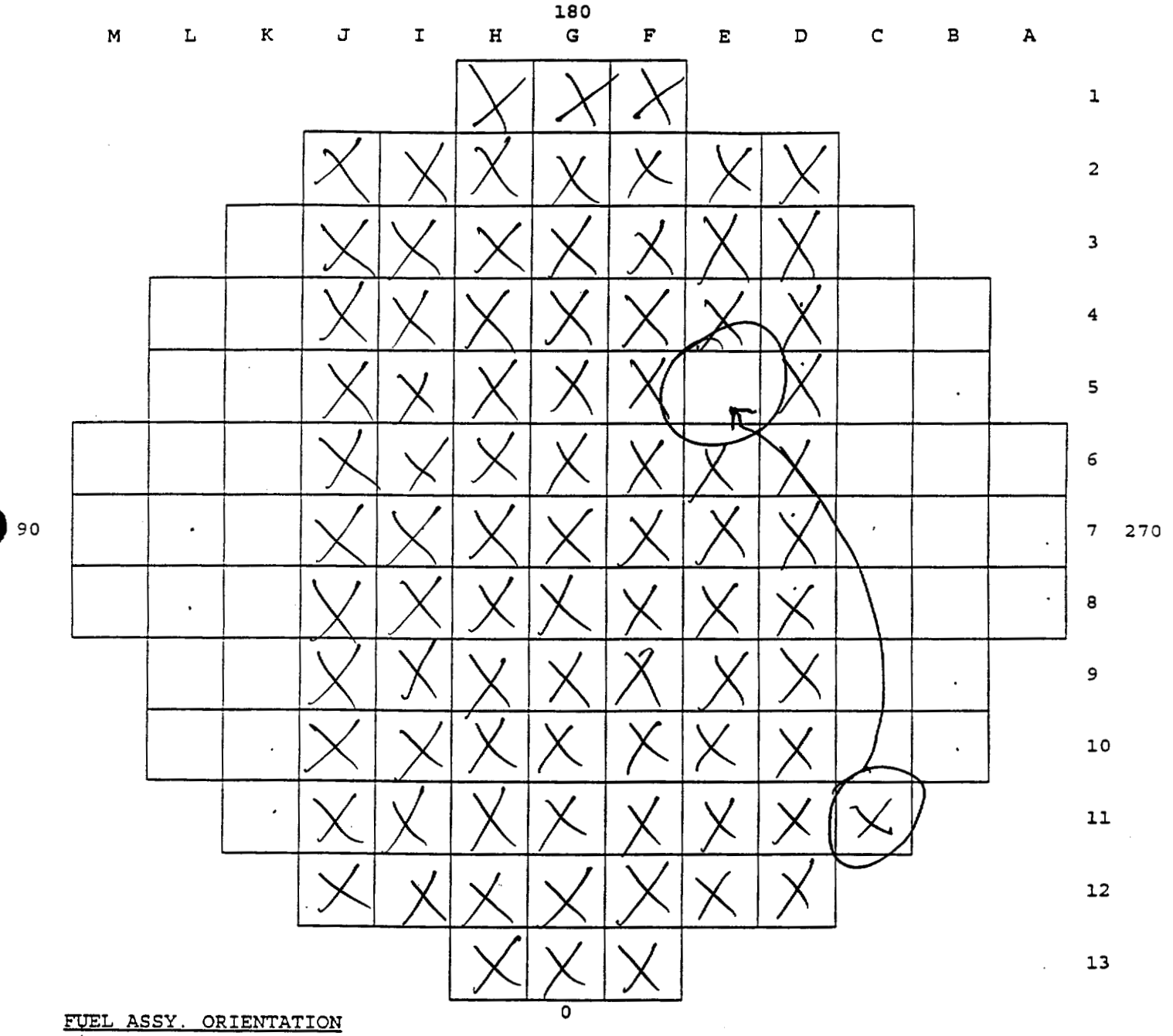


Core Map at Time of Problem Step

[X] Denotes Loaded assemblies

After

ATTACHMENT 1.3.4-2



FUEL ASSY. ORIENTATION

123	INSERT NO.
Y54	FUEL ASSY. NO.

<------ NORTH

Core Map When the Assembly is moved to it final Storage Location
All other assemblies are in there Final locations.

JPM NO JS071.001

Review and Approve a Gas Decay Tank Release

Revision #: 0

Review Date: 1/27/2004

Location: In Plant

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

NOTE

THE EVALUATOR WILL EXPLAIN THE JPM INITIAL CONDITIONS AND PROVIDE CLARIFICATION AS REQUIRED. THE EXAMINEE MAY USE ANY CONTROLLED COPY REFERENCES THAT ARE NORMALLY AVAILABLE IN THE CONTROL ROOM, INCLUDING LOGS. MAKE ALL WRITTEN REPORTS, ORAL REPORTS, AND LOG ENTRIES AS IF THE EVOLUTION WAS ACTUALLY BEING PERFORMED. THE EVALUATOR WILL BE TAKING NOTES. ASK FOR CLARIFICATION OF JPM REQUIREMENTS PRIOR TO THE BEGINNING

Initial Conditions:

The plant is at 100% power, the Waste Gas Decay Tank has been held and analyzed for release.

Initiating Cues :

Review the attached Waste Gas Decay Tank Release as the Shift Supervisor authorizing the release.

Description: Authorize Gaseous Waste Release

JPM Tasks

Task ID: 071-013-01-03

Task Standards

Reviews the Gas Decay Tank Release Form, detects errors in the release and does not authorize the release.

Tools :

Terminating Cues

References :

ID	Description	Review Date	Ref Flag
			☐

Safety Considerations

Consequences of Inadequate Performance:

Release of a Waste Gas Decay Tank improperly could result in exceeding the allowable Plant Radiological Release Limits.

General Comments :

Performance Checklist

1 **Element :**
Review data on Waste Gas Decay Release Form

Conditions :

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*2 **Element :** **CRITICAL**
Determines that an error exists in the release permit

Conditions :
Error exists in the Release Permit in that both R-13 and R-14 cannot be inoperable and make a release. Ref. S-4.2.5 Release of a Gas Decay Tank

Standards :
Detects error. Determines that the Release Permit is not acceptable. Does not authorize the release.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element :
Notifies Chemistry/RP

Conditions :
Cue: No further action

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

JPM NO JS340.016

Emergency Classification

Revision #: 0

Review Date: 1/29/2004

Location: Simulator

Estimated Time (minutes): 10.00

Candidate: _____

Evaluator: _____

Actual Time: _____

Trainee Performance: **Satisfactory** _____ **Unsatisfactory** _____

Trainee: _____

Instructor: _____

Submitted By _____ **Date** _____

Reviewed By _____ **Date** _____

NOTE

THE EVALUATOR WILL EXPLAIN THE JPM INITIAL CONDITIONS AND PROVIDE CLARIFICATION AS REQUIRED. THE EXAMINEE MAY USE ANY CONTROLLED COPY REFERENCES THAT ARE NORMALLY AVAILABLE IN THE CONTROL ROOM, INCLUDING LOGS. MAKE ALL WRITTEN REPORTS, ORAL REPORTS, AND LOG ENTRIES AS IF THE EVOLUTION WAS ACTUALLY BEING PERFORMED. THE EVALUATOR WILL BE TAKING NOTES. ASK FOR CLARIFICATION OF JPM REQUIREMENTS PRIOR TO THE BEGINNING

Initial Conditions:

The plant has undergone the Event which has just been presented in the preceeding scenario.

Initiating Cues :

What is the Emergency Classification which would have been entered during this event.

Description: Event Classification

JPM Tasks

Task ID: 340-001-05-02K

Task Standards

In accordance with the Nuclear Emergency Response Plan

Tools :

Terminating Cues

References :

ID		Description	Review Date	Ref Flag
PREPIP	EPIP 1-0	GINNA STATION EVENT EVALUATION AND CLASSIFICATION		☐

Safety Considerations

Consequences of Inadequate Performance:

General Comments :

This JPM is to classify the event following 2004 NRC Initial Exam Scenario # _____

Performance Checklist

	Element :	Conditions :	Standards :
1	Obtain copy of EPIP 1-0, Ginna Station Event Evaluation and Classification.		Same as element.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

	Element : CRITICAL	Conditions :	Standards :
*2	Evaluate event as per EPIP 1-0.	CUE: No further action is required.	Scenario #1: Determine the classification is an Alert due to primary leakage > 46 gpm (EAL 3.1.2). Scenario #2: Same as Above Scenario #3: Determine the Classification is a Site Area Emergency due to Effluent Monitor Readings (5.1.3). Scenario #4: Determine the Classification is an Alert due to a Red Path on Integrity (1.4.1)

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag

Description: Authorize Gaseous Waste Release

JPM Tasks

Task ID: 071-013-01-03

Task Standards

Reviews the Gas Decay Tank Release Form, detects errors in the release and does not authorize the release.

Tools :

Terminating Cues

References :

ID	Description	Review Date	Ref Flag
			☐

Safety Considerations

Consequences of Inadequate Performance:

Release of a Waste Gas Decay Tank improperly could result in exceeding the allowable Plant Radiological Release Limits.

General Comments :

Performance Checklist

1 **Element :**
Review data on Waste Gas Decay Release Form

Conditions :

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

---

*2 **Element :** **CRITICAL**
Determines that an error exists in the release permit

Conditions :
Error exists in the Release Permit in that both R-13 and R-14 cannot be inoperable and make a release. Ref. S-4.2.5 Release of a Gas Decay Tank

Standards :
Detects error. Determines that the Release Permit is not acceptable. Does not authorize the release.

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

Element :
Notifies Chemistry/RP

Conditions :
Cue: No further action

Standards :
Same as Element

Comments :

Satisfactory ☐ **Unsatisfactory** ☐

JPM Questions

Question

Answer

References

Reference Type	Reference ID	Description	Ref Flag