Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 001-008-01-01

Task/JPM Title: Critical Rod Position Calculation JPM No.: 2008 NRC JPM N-RA-1

K/A Reference: 2.1.25 3.9 / 4.2

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: RO/SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Don Dettman DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Critical Rod Position Calculation performed correctly and all critical tasks evaluated as satisfactory.
Required Materials:	Calculator, Nomogragh Tables
General References:	O-1.2.2, Critical Rod Position Calculation, Rev. 06500
Handouts:	O-1.2.2, Critical Rod Position Calculation, Rev. 06500
Time Critical Task:	NO
Validation Time:	30 minutes
Alternate Path:	NO
Instructor Notes:	Have a copy of O-1.2.2, Critical Rod Position Calculation, Rev. 06500, ready to give to the CRS during the Initiating Cue.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- You are an extra RO.
- The plant is in MODE 3.
- The reactor is at normal operating temperature and pressure.
- The Reactor tripped 48 hours ago.
- The PPCS and PCNDR are unavailable.

Initiating Cue: The Shift Manager instructs you to calculate an Estimated Critical Position using O-1.2.2 up to Step 5.7.1 using the given parameters.

CUE: Hand the Operator a copy of O-1.2.2, Critical Rod Position Calculation, Rev. 06500.

START TIME: _____

√ = CRITICAL STEP

O-1.2.2, section 1.0 thru 4.0

Performance Step: 1 Reviews sections 1.0 thru 4.0.

Standard: Reviews and understands sections 1.0 thru 4.0.
Initials for step 3.1.

Comment:

O-1.2.2, section 5.1

√ **Performance Step: 2** Calculate the reactivity due to Power Defect.

Standard: Using the correct curves for time in life determine Power Defect within +/- 50 PCM.

ACTUAL: 1150 PCM STUDENT: _____ PCM
See provided "KEY" for details.

Comment:

O-1.2.2, section 5.2

√ **Performance Step: 3** Calculate the reactivity due to Rod Worth.

Standard: Using correct Integral Rod Worth table for time in life determine Integral Rod Worth within +/- 20 PCM.

ACTUAL: 128.4 PCM STUDENT: _____ PCM
See provided "KEY" for details.

Comment:

O-1.2.2, section 5.3

√ **Performance Step: 4** Calculate the reactivity due to Xenon.

Standard: Using correct Xenon Worth curve determine reactivity due to the change in Xenon within +/- 100 PCM.

ACTUAL: 1930 PCM STUDENT: _____ PCM

See provided "KEY" for details.

Comment:

O-1.2.2, section 5.4

√ **Performance Step: 5** Calculate the reactivity due to Boron.

Standard: Differential Boron Concentration should be made without error. Using correct Boron Worth curve determine Differential Boron Worth to within +/- 0.1 PCM.

ACTUAL: -6.90 PCM STUDENT: _____ PCM

Reactivity added due to Boron Concentration change should be made without error. Discrepancies due to error carried forward are not considered an error in calculation.

ACTUAL: -690 PCM STUDENT: _____ PCM

See provided "KEY" for details.

Comment:

O-1.2.2, section 5.5

√ **Performance Step: 6** Calculate the reactivity due to the change in "effective" Samarium.

Standard: Using the correct curve determine the reactivity added due to effective Samarium within +/- 12.5 PCM.

ACTUAL: -35 PCM STUDENT: _____ PCM

See provided "KEY" for details.

Comment:

O-1.2.2, section 5.6

√ **Performance Step: 7** Calculate total reactivity change.

Standard: Total reactivity change should be within +/- 350 PCM.

ACTUAL: 2483.4 PCM STUDENT: _____ PCM
See provided "KEY" for details.

Comment:

O-1.2.2, section 5.7.1

√ **Performance Step: 8** Estimate Critical Rod Position.

Standard: Estimated Critical Rod Position must be within the band of Bank C (34) Steps, +/- (30) steps

CALCULATED VALUE ECP

ACTUAL: BANK __C__ STEPS __34__.

STUDENT: BANK _____ STEPS _____.

See provided "KEY" for details.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

Job Performance Measure No.: 2008 NRC JPM N-RA-1

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are an extra RO.
- The plant is in MODE 3.
- The reactor is at normal operating temperature and pressure.
- The Reactor tripped 48 hours ago.
- The PPCS and PCNDR are unavailable.

Initiating Cue: The Shift Manager instructs you to calculate an Estimated Critical Position using O-1.2.2 up to Step 5.7.1 using the given parameters.

Plant Status for Estimated Critical Rod Position
Cycle 34

Reactor power prior to reactor trip. (Assume steady state power for > 50 hours)	50 %
Burnup	7,000 Mwd/mtu
Time reactor subcritical to now	48 hours
Last Boron sample prior to trip	Performed 1 hour before trip, was 1300 ppm.
Boron/RMW added since last sample, prior to trip	14,000 BAST ppm 0 gal boric acid 0 gal RMW
Rod position prior to shutdown	D Bank 180 Steps
Time from now to estimated criticality	2 hours
Current boron concentration from sample 2 hours ago.	1400 ppm

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 015-004-04-01A

Task/JPM Title: Manually Calculate QPTR JPM No.: 2008 NRC JPM N-RA-2

K/A Reference: 2.1.7 4.4 / 4.7

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: RO/SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	QPTR correctly calculated and all critical tasks evaluated as satisfactory.
Required Materials:	Volts/Mamp values sheets Pictures of Power Range NIs O-6.4 JPM N-RA-2 Key
General References:	O-6.4: Core Quadrant Power Tilt Calculation, Rev. 23
Handouts:	O-6.4: Core Quadrant Power Tilt Calculation, Rev. 23
Time Critical Task:	NO
Validation Time:	15 minutes
Alternate Path:	NO
Instructor Notes:	Ensure a marked up copy of O-6.4: Core Quadrant Power Tilt Calculation, Rev. 23, Pictures of Power Range NIs and Volts/Mamp values sheets are ready to give to the operator during the Initiating Cue. Use **O-6.4 JPM N-RA-2 Key** for correct values.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- You are the HCO.
- I will be the CRS if you need one.
- The plant was at 100% power when Control Rod G-9 dropped.
- AP-RCC.3, Dropped Rod Recovery was entered.
- The plant is now at 92.5% and stable.
- PPCS is out of service.

Initiating Cue: The CRS directs you to perform a QPTR per Attachment 1 of O-6.4, Quadrant Power Tilt Ratio Calculation.

CUE: Hand the Operator marked up copies of O-6.4: Core Quadrant Power Tilt Calculation, Rev. 23, Pictures of Power Range NIs and Volts/Mamp values sheets,

SIMULATOR SETUP

For the 2008 ILT NRC Exam load I/C # 179 if simulator is used.

or

- Any 100% IC (IC-19).
- The plant in a normal 100% power lineup.
- In a normal 50/50 electric lineup.
- Insert Malf. ROD02 - G9 Dropped Rod G-9 (Stationary Grippers).
- Place rods in manual.
- Ensure PPCS monitors are off.
- Allow plant to stabilize and Freeze.

START TIME: _____

√ = CRITICAL STEP

O-6.4, step 6.1.1 thru 6.1.3

Performance Step: 1

- **IF** one power range channel is inoperable, **THEN ENSURE** the QPTR Monitor alarm has been declared nonfunctional, **AND PERFORM** TSR 3.2.4.2. **IF NOT, THEN MARK** this Step N/A.
- **IF** one power range channel is inoperable **AND** Thermal Power is less than 75% RTP, **THEN CALCULATE** the Quadrant Power Tilt Ratio using the remaining three power range channels. **IF NOT, THEN MARK** this Step N/A.
- **IF** one power range channel is inoperable when greater than or equal to 75% RTP **AND** the channel is **NOT** expected to be returned to service within 12 hours, **THEN NOTIFY** Reactor Engineering as soon as possible since a flux map may need to be performed. **IF NOT, THEN MARK** this Step N/A.

Standard:

- Marks all (3) steps N/A

Comment:

O-6.4, step 6.1.4 Note

Performance Step: 1

Volts/Mamp values for upper and lower detectors; determine if values are less than 3 months old.

Standard:

- Locks on sheets provided for Volts/Mamp values for proper date.
- Determines values are less than 3 months old.

Comment:

O-6.4, step 6.1.4 / Att. 1 step 1

√ **Performance Step: 2** Records Mamps and Volts/Mamps for each channel and calculates total volts for each power range channel.

Standard:

- Obtains Power Range detector currents from NI drawer pictures.
- Obtains Volts/Mamp values from provided sheets.
- Records all values on Attachment 1.
- See **O-6.4 JPM N-RA-2 Key** for correct values.
- Critical criteria for values from sheets must be exactly correct.
- Critical criteria for values from pictures must be +/- .015.
- Initials for step completion.

Comment:

O-6.4, step 6.1.4 / Att. 1 step 2 Note

√ **Performance Step: 4** IF one power range channel inoperable, THEN the Highest (Total) in numerator of the equation below must be multiplied by three instead of four AND only the three operable channels are to be summed in the denominator.

Standard:

- Uses all four channels in QPTR calculation.

Comment:

O-6.4, step 6.1.4 / Att. 1 step 2

√ **Performance Step: 5** Calculate QPTR.

Standard:

- Correctly calculates QPTR.
- See **O-6.4 JPM N-RA-2 Key** for correct values (QPTR = 1.08).
- Critical criteria for calculated value must be +/- .015.
- Initials for step completion.

Comment:

Performance Step: 6 **O-6.4 Att. 1, step 3**
Independent Verification.

Standard:
- Asks for an independent verification.

CUE: **No further actions are required.**

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-RA-2

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are the HCO.
- I will be the CRS if you need one.
- The plant was at 100% power when Control Rod G-9 dropped.
- AP-RCC.3, Dropped Rod Recovery was entered.
- The plant is now at 92.5% and stable.
- PPCS is out of service.

Initiating Cue: The CRS directs you to perform a QPTR per Attachment 1 of O-6.4, Quadrant Power Tilt Ratio Calculation.

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 119-014-03-01

Task/JPM Title: Tagout Boundary for "B" Heater Drain Tank Pump JPM No.: 2008 NRC JPM N-RA-3

K/A Reference: 2.2.13 4.1 / 4.3

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: RO/SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Provide adequate Tagout Boundary for "B" Heater Drain Tank Pump and all critical tasks evaluated as satisfactory.
Required Materials:	None
General References:	A-1401, Station Holding Rules, Rev.06300 PID: 33013-1923, Rev. 22 PID: 10905-0035B, Rev. 2 PID: 33013-0653 Rev. 13
Handouts:	A-1401, Station Holding Rules, Rev.06300 PID: 33013-1923, Rev. 22 PID: 10905-0035B, Rev. 2 PID: 33013-0653 Rev. 13
Time Critical Task:	NO
Validation Time:	20 minutes
Alternate Path:	NO
Instructor Notes:	Ensure a copy of A-1401, Station Holding Rules, Rev.06300, PID: 33013-1923, Rev. 22, Rev. 2 and PID: 33013-0653 Rev. 13 is ready to give to the operator during the Initiating Cue.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- The unit is at 80% POWER.
- You are an extra RO in the Work Control Center.
- "B" Heater Drain Tank Pump is making noises and will require a lower pump bearing replacement.
- The plant has down powered to 40% to make repairs to the "B" Heater Drain Tank Pump.
- Heater Drain Tank temperature is 305°F.
- Heater Drain Tank pressure is 74 psig.

Initiating Cue:

- The Shift Manager requests you to determine the Tagout Boundaries for the "B" Heater Drain Tank Pump.
- Gland Seal and Service Water side holds will be held by a different tagout section.
- On the request below, record Equipment Names/EIN, the Required Positions, type of tag to be hung and order tags are to be hung per A-1401, Station Holding Rules requirements.
- When completed, provide list and any comments to the Shift Manager.

CUE: Hand the Operator a copy of A-1401, Station Holding Rules, Rev.06300, PID: 33013-1923, Rev. 22 and Rev. 2, PID: 33013-0653 Rev. 13

START TIME: _____

√ = CRITICAL STEP

A-1401

Performance Step: 1 Refers to procedure, A-1401 as needed.

Standard: Uses A-1401 as needed.

Comment:

Prints

Performance Step: 2 Refers to prints as needed:
- PID: 33013-1923, Rev. 22
- PID: 10905-0035B, Rev. 2
- PID: 33013-0653 Rev. 13

Standard: Uses prints as needed:
- PID: 33013-1923, Rev. 22
- PID: 10905-0035B, Rev. 2
- PID: 33013-0653 Rev. 13

CUE: Only if asked for provide PID: 10905-0035B this can be done at any time.

Comment:

√ **Performance Step: 3** Determines Tagout Boundary for "B" Heater Drain Tank Pump.

Standard:
- See Key on next page.
- Equipment may be listed in any order.
- To satisfy the critical step for V-3094D and V-3093F, either valve or both valves may be listed as drain paths.

Comment:

KEY FOR PREFORMANCE STEP # 3

REQUEST

	EQUIPMENT NAMES / EIN FOR ISOLATED WORK AREA	REQUIRED POSITION	TYPE OF TAG REQUIRED	ORDER TAGS TO BE HUNG
1.	V-4114	Closed	Hold	3
2.	V-4118	Closed	Hold	3
3.	V-4116	Closed	Hold	3
4.	V-4120	Closed	Hold	3
5.	V-3098	Open	Hold	4
6.	V-3094D *	Open	Hold	4
7.	V-3093F *	Open	Hold	4
8.	"B" Heater Drain Tank Pump MCB H/S 1/HDP1B	Pull/Stop	Block	1
9.	4160 Bus 11B / 27	Racked out/Knife switch open	Hold	2
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19				
20.				

*To satisfy the critical step for V-3094D and V-3093F, either valve or both valves may be listed as drain paths.

Comments:

1. Identifies (2) valve boundary (with bleed valve) cannot be provided per 5.6.a.2, for fluids greater than 200°F if unit stays at 40% to perform work.
2. Identifies can work "B" Heater Drain Tank Pump as an Exceptional Tagout at 40% or lower power as needed to lower HDT fluid temperature to less than 200°F.
3. For tag order, 1 and 2 must be first and second, any tag 3s can be in any order after 1 and 2 and before any 4s. Tag 4s can be in any order after all the 3s are hung.

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-RA-3

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

JPM CUE SHEET

Initial Conditions:

- The unit is at 80% POWER.
- You are an extra RO in the Work Control Center.
- "B" Heater Drain Tank Pump is making noises and will require a lower pump bearing replacement.
- The plant has down powered to 40% to make repairs to the "B" Heater Drain Tank Pump.
- Heater Drain Tank temperature is 305°F.
- Heater Drain Tank pressure is 74 psig.

Initiating Cue:

- The Shift Manager requests you to determine the Tagout Boundaries for the "B" Heater Drain Tank Pump.
- Gland Seal and Service Water side holds will be held by a different tagout section.
- On the request below, record Equipment Names/EIN, the Required Positions, type of tag to be hung and order tags are to be hung per A-1401, Station Holding Rules requirements.
- When completed, provide list and any comments to the Shift Manager.

REQUEST

	EQUIPMENT NAMES / EIN FOR ISOLATED WORK AREA	REQUIRED POSITION	TYPE OF TAG REQUIRED	ORDER TAGS TO BE HUNG
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19				
20.				

Comments:

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 344-006-05-01

Task/JPM Title: Monitor Critical Safety Function Status Trees JPM No.: 2008 NRC JPM N-RA-4

K/A Reference: 2.4.13 4.0 / 4.6

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: RO/SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Correctly monitor CSFSTs and report/recommend correct red path/procedure and all critical tasks evaluated as satisfactory.
Required Materials:	CSFST Binder and Grease pencils or equivalent.
General References:	F-0.1: SUBCRITICALITY CSFST F-0.2: CORE COOLING CSFST F-0.3: HEAT SINK CSFST F-0.4: INTEGRITY CSFST F-0.5: CONTAINMENT CSFST F-0.6: INVENTORY CSFST
Handouts:	CSFST Binder
Time Critical Task:	NO
Validation Time:	10 minutes
Alternate Path:	NO
Instructor Notes:	Ensure CSFST Binder and Grease pencils or equivalent are available and data sheet #1.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- You are an extra RO.
- The plant has experienced a Reactor Trip and a Safety Injection.
- I will be the CRS.
- The SM has directed you to monitor Critical Safety Function Status Trees.
- It has been 65 minutes since the Reactor Tripped.

Initiating Cue: Monitor all the Critical Safety Function Status Trees using Data Sheet # 1 and make a report to the CRS.

START TIME: _____

√ = CRITICAL STEP

F-0.1

√ **Performance Step: 1** Monitor Subcriticality and determine correct terminus.

Standard:
MONITOR: (F-0.1)
- Power Range
- Intermediate Range SUR
- Source Range energized
- Source Range SUR as necessary

Correct terminus: Orange

Comment:

F-0.2

√ **Performance Step: 2** Monitor Core Cooling and determine correct terminus.

Standard:
MONITOR: (F-0.2)
- Core Exit Thermocouples
- RCS Subcooling
- RCP status
- RVLIS
- Cnmt Pressure
- Cnmt Radiation as necessary

Correct terminus: Red

Comment:

F-0.3

√ **Performance Step: 3** Monitor Heat Sink and determine correct terminus.

Standard:
MONITOR: (F-0.3)
- S/G Level
- Feedwater Flow
- S/G Pressure
- Cnmt Pressure
- Cnmt Radiation as necessary

Correct terminus: Green

Comment:

F-0.4

√ **Performance Step: 4** Monitor INTEGRITY and determine correct terminus.

Standard:

MONITOR: (F-0.4)
- RCS Cold Leg Temperature decrease over last 60 minutes
- RCS Cold Leg Temperature
- RCS Pressure, locate point on curve as necessary

Correct terminus: Green

Comment:

F-0.5

√ **Performance Step: 5** Monitor CONTAINMENT and determine correct terminus.

Standard:

MONITOR: (F-0.5)
- Cnmt Pressure
- Cnmt Sump B Level
- Cnmt Radiation as necessary

Correct terminus: Red

Comment:

F-0.6

√ **Performance Step: 6** Monitor INVENTORY and determine correct terminus.

Standard:

MONITOR: (F-0.6)
- SI Pump status
- Pressurizer Level
- RCP status
- RVLIS as necessary

Correct terminus: Yellow

Comment:

Report to CRS

√ **Performance Step: 7** Identify highest priority Critical Safety Function. Recommend procedure.

Standard: Identify highest priority. RED terminus: Core Cooling Recommend correct procedure: Enter FR-C.1.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-RA-4

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are an extra RO.
- The plant has experienced a Reactor Trip and a Safety Injection.
- I will be the CRS.
- The SM has directed you to monitor Critical Safety Function Status Trees.
- It has been 65 minutes since the Reactor Tripped.

Initiating Cue: Monitor all the Critical Safety Function Status Trees using Data Sheet # 1 and make a report to the CRS.

Data Sheet # 1

Reactor Power is 0%
All Reactor Trip Breakers are Open
Intermediate Range indication is $3x10^{-10}$
Intermediate Range SUR is (.1)
Source Range Indication is $1x10^{3}$
Source Range SUR is (.1)

RCS Pressure is 982 psig
"A" RCS cold Leg Temperature is 495°F
"A" RCS cold Leg Temperature is 490°F
"B" RCS cold Leg Temperature is 493°F
"B" RCS cold Leg Temperature is 491°F
Pressurizer water level is 0%
RVLIS water level is 40%
CETs are 709°F

No SI pumps are running
(2) RHR Pumps are running
"A" RCP Pump is tripped
"B" RCP Pump is tripped

Cnmt Pressure is 62 psig
R-29, Cnmt Radiation Monitor reads 1500 mrem/hr
R-30, Cnmt Radiation Monitor reads 1600 mrem/hr
Cnmt Sump "A" is 200 inches
Cnmt Sump "B" is 120 inches

"A" Stream Generator Water Level is 27%
"B" Stream Generator Water Level is 28%
"A" Stream Generator Pressure is 922 psig
"B" Stream Generator Pressure is 920 psig
TDAFW Pump is not running
"A" MDAFW Pump is running
"B" MDAFW Pump is running
"A" MDAFW Pump flow is 100 gpm
"B" MDAFW Pump flow is 105 gpm

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 001-008-01-02

Task/JPM Title: Verify Estimated Critical Rod Position Calculation JPM No.: 2008 NRC JPM N-SA-1

K/A Reference: 2.1.37 4.6

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Doug Gomez DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Critical Rod Position Calculation verification performed correctly finding all errors and all critical tasks evaluated as satisfactory.
Required Materials:	Calculator, Nomogragh Tables
General References:	O-1.2.2, Critical Rod Position Calculation, Rev. 06500
Handouts:	Completed O-1.2.2, Critical Rod Position Calculation, Rev. 06500
Time Critical Task:	NO
Validation Time:	30 minutes
Alternate Path:	NO
Instructor Notes:	Have a copy of a completed copy of O-1.2.2, Critical Rod Position Calculation, Rev. 06500, ready to give to the CRS during the Initiating Cue.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- You are the Control Room Supervisor.
- The plant is in MODE 3.
- The reactor is at normal operating temperature and pressure.
- The Reactor tripped 48 hours ago.
- The PPCS and PCNDR are unavailable.
- The HCO has completed an Estimated Critical Position using O-1.2.2.

Initiating Cue: The Shift Manager instructs you to perform the independent verification of O-1.2.2, Critical Rod Position Calculation, up thru Step 5.7.1, using the given parameters.
Report all results to the Shift Manager.

CUE: Hand the Operator a marked up copy of O-1.2.2, Critical Rod Position Calculation, Rev. 06500.

START TIME: _____

√ = CRITICAL STEP

O-1.2.2, section 1.0 thru 4.0

Performance Step: 1 Reviews sections 1.0 thru 4.0.

Standard: Reviews and understands sections 1.0 thru 4.0.
Verifies initials on step 3.1.

Comment:

O-1.2.2, section 5.1

Performance Step: 2 Verifies correct calculation of the reactivity due to Power Defect.

Standard: **Discovers no errors.**

Using the correct curves for time in life determine Power Defect.

Comment: ACTUAL: 1150 PCM HCO: 1150 PCM

O-1.2.2, section 5.2

√ **Performance Step: 3** Verifies correct calculation of the reactivity due to Rod Worth.

Standard: **Discovers error in Rod Worth reactivity calculation.**

Using correct Integral Rod Worth table for time in life determines reactivity due to Rod Worth.

Comment: ACTUAL: 128.5 PCM HCO: 194 PCM

O-1.2.2, section 5.3

Performance Step: 4 Verifies correct calculation of the reactivity due to Xenon.

Standard: **Discovers no errors.**

Using correct Xenon Worth curve determine reactivity due to the change in Xenon.

Comment: ACTUAL: 1930 PCM HCO: 1930 PCM

O-1.2.2, section 5.4

Performance Step: 5 Verifies correct calculation of the reactivity due to Boron.

Standard: **Discovers no errors.**

Using correct Boron Worth curve determine Differential Boron.

Reactivity added due to Boron Concentration change should be made without error.

Comment: Differential Boron: ACTUAL: -6.90 PCM HCO: -6.90 PCM

Boron Con. Change: ACTUAL: -690 PCM HCO: -690 PCM

O-1.2.2, section 5.5

√ **Performance Step: 6** Verifies correct calculation of the reactivity due to the change in "effective" Samarium.

Standard: **Discovers error in reactivity added due Samarium calculation.**

Using the correct curve determine the reactivity added due to effective Samarium.

Comment: ACTUAL: -35 PCM HCO: -185 PCM

O-1.2.2, section 5.6

√ **Performance Step: 7** Verifies correct calculation of total reactivity change.

Standard: **Discovers error in total reactivity change.**

Total reactivity change calculated.

Comment: ACTUAL: 2483.4 PCM HCO: 2399 PCM

O-1.2.2, section 5.7

√ **Performance Step: 8** Verifies correct Estimate Critical Rod Position.

Standard: **Discovers error in calculated value for ECP.**

Determines Estimated Critical Rod Position.

Comment: ACTUAL: BANK C STEPS 34.

HCO: BANK C STEPS 39.

√ **Performance Step: 9** Informs SM of status of ECP.

Standard: Informs the SM of the following errors:

- Reactivity due to Integral Rod Worth.
- Reactivity due to Samarium.
- Total Reactivity Change.
- Estimated Critical Rod Position.

Informs the SM that the ECP will have to be reperformed (or words to that effect).

Cue: Acknowledge report.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-SA-1

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are the Control Room Supervisor.
- The plant is in MODE 3.
- The reactor is at normal operating temperature and pressure.
- The Reactor tripped 48 hours ago.
- The PPCS and PCNDR are unavailable.
- The HCO has completed an Estimated Critical Position using O-1.2.2.

Initiating Cue: The Shift Manager instructs you to perform the independent verification of O-1.2.2, Critical Rod Position Calculation, up thru Step 5.7.1, using the given parameters.
Report all results to the Shift Manager.

Plant Status for Estimated Critical Rod Position
Cycle 34

Reactor power prior to reactor trip. (Assume steady state power for > 50 hours)	50 %
Burnup	7,000 Mwd/mtu
Time reactor subcritical to now	48 hours
Last Boron sample prior to trip	Performed 1 hour before trip, was 1300 ppm.
Boron/RMW added since last sample, prior to trip	14,000 BAST ppm 0 gal boric acid 0 gal RMW
Rod position prior to shutdown	D Bank 180 Steps
Time from now to estimated criticality	2 hours
Current boron concentration from sample 2 hours ago.	1400 ppm

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 341-030-03-02A

Task/JPM Title: A-52.12, Nonfunctional Equipment Important to Safety JPM No.: 2008 NRC N-SA-2

K/A Reference: 2.1.18 3.8

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Determined the QPTR Monitor Alarm is inoperable, fill out A-52.12, Attachment 1 correctly and all critical tasks evaluated as satisfactory.
Required Materials:	Attached Key.
General References:	A-52.12 Nonfunctional Equipment Important to Safety, Rev. 05900 Technical Requirements Manual (TRM) Rev. 35
Handouts:	A-52.12 Nonfunctional Equipment Important to Safety, Rev. 05900 A-52.12 att. 1 (4 pages), A-52.12 att. 2 (1 page)
Time Critical Task:	NO
Validation Time:	20 minutes
Alternate Path:	NO
Instructor Notes:	Have a copy of A-52.12 Nonfunctional Equipment Important to Safety, Rev. 05900 and A-52.12 att. 1 (4 pages), ready to give to the CRS when cued.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:	• You are the CRS. • The plant is at 98% power, no equipment is out of service.
Initiating Cue:	The CO has just completed S-26.1, Computer Program Check. All sections were performed sat, except the QPTR Monitor Alarm did not alarm.

START TIME: _____

√ = CRITICAL STEP

Notifications

Performance Step: 1 May notify the following people:
SM, WCC, Maintenance, WWM, Operations and Plant Supervision

Standard: Notifies SM and others as time permits. (May be done at any time.)

Cue: Acknowledge reports.

Comment:

TRM – TR 3.2.4 Condition

√ **Performance Step: 2** QPTR Monitor Alarm is inoperable IAW TR 3.2.4 - The QPTR monitor alarm shall be OPERABLE when in MODE 1 with THERMAL POWER > 50% RTP

Standard: QPTR Monitor Alarm is inoperable IAW TR 3.2.4 due to alarm not alarming and Thermal Power is at 98%.

Comment:

TRM – TR 3.2.4 Required Action and Completion Time

√ **Performance Step: 3** Required Action A.1 or A.2 needs to be completed.

Standard: Determines Required Action A.1 or A.2 needs to be completed once within 24 hours and every 24 hours there after.

Cue: After examinee determines QPTR Monitor Alarm is inoperable, as the SM tell the examinee to fill out the appropriate paper work.

Comment:

CUE: Hand the examinee a copy of A-52.12 Nonfunctional Equipment Important to Safety, Rev. 05900 and Attachment 1 (4 pages).

A-52.12 Attachment I page 1

√ **Performance Step: 4** Properly fill in appropriate data on A-52.12 Att. I, Page 1 of 4.

Standard: See attached "Key" for requirements.
Critical task is to determine correct "REQUIRED COMPLETION DATE/TIME:" in Step 6.6.1(10).

CUE : When requested provide the following information:

- **The CR number is CR-2008-000792.**
- **The work order number is: WO2344561.**
- **The HCO has determined with the QPTR Monitor Alarm OOS, EOOS PRF color is GREEN and EOOS Top Level System Status is GREEN.**

Comment:

A-52.12 Attachment I page 2

Performance Step: 5 Properly fill in appropriate data on A-52.12 Att. I, Page 2 of 4.

Standard: See attached "Key" for requirements.

CUE when CRS determines an A-52.16 is required: The WCC will fill out the A-52.16.

Comment:

A-52.12 Attachment I page 3

Performance Step: 6 Properly fill in appropriate data on A-52.12 Att. I, Page 3 of 4.

Standard: See attached "Key" for requirements.

Comment:

A-52.12 Attachment I page 4

Performance Step: 7 Properly fill in appropriate data on A-52.12 Att. I, Page 4 of 4.

Standard: See attached "Key" for requirements.

Comment:

A-52.12 Attachment 2 page 1

Performance Step: 8 Properly fill in appropriate data on A-52.12 Att. 2, Page 1 of 1.

Standard: See attached "Key" for requirements. This is a non-critical step. Performance is optional and is not required at this time but is required when required action is performed.

Candidate may or may not fill this page out.

CUE: If requested provide A-52.12 Attachment 2, to candidate.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

Job Performance Measure No.: 2008 NRC N-SA-2

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are the CRS.
- The plant is at 98% power, no equipment is out of service.

Initiating Cue:

The CO has just completed S-26.1, Computer Program Check.
All sections were performed sat, except the QPTR Monitor Alarm did not alarm.

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 342-004-03-02A

Task/JPM Title: Review the Tagout Boundary for "B" Heater Drain Tank Pump JPM No.: 2008 NRC JPM N-SA-3

K/A Reference: 2.2.13 4.3

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability: SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Identify Tagout Boundary for "B" Heater Drain Tank Pump is inadequate and all critical tasks evaluated as satisfactory.
Required Materials:	None
General References:	A-1401, Station Holding Rules, Rev.06300 PID: 33013-1923, Rev. 22 PID: 10905-0035B, Rev. 2 PID: 33013-0653 Rev. 13
Handouts:	A-1401, Station Holding Rules, Rev.06300 PID: 33013-1923, Rev. 22 PID: 10905-0035B, Rev. 2 PID: 33013-0653 Rev. 13
Time Critical Task:	NO
Validation Time:	20 minutes
Alternate Path:	NO
Instructor Notes:	Ensure a copy of A-1401, Station Holding Rules, Rev.06300, PID: 33013-1923, Rev. 22, Rev. 2 and PID: 33013-0653 Rev. 13 is ready to give to the operator during the Initiating Cue.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- The unit is at 80% POWER.
- You are an extra SRO in the Work Control Center.
- "B" Heater Drain Tank Pump is making noises and will require a lower pump bearing replacement.
- The plant has down powered to 40% to make repairs to the "B" Heater Drain Tank Pump.
- Heater Drain Tank temperature is 305°F.
- Heater Drain Tank pressure is 74 psig.

Initiating Cue:

- The Shift Manager requests you to review the Tagout Boundaries for the "B" Heater Drain Tank Pump.
- Gland Seal and Service Water side holds will be held by a different tagout section.
- On the request below, an extra RO has recorded the Equipment Names/EIN, the Required Positions, type of tags to be hung and order tags are to be hung per A-1401, Station Holding Rules requirements to perform the work.
- When completed, provide an update to the Shift Manager.

CUE: Hand the Operator a copy of A-1401, Station Holding Rules, Rev.06300, PID: 33013-1923, Rev. 22 and Rev. 2, PID: 33013-0653 Rev.

START TIME: _____

√ = CRITICAL STEP

A-1401

Performance Step: 1 Refers to procedure, A-1401 as needed.

Standard: Uses A-1401 as needed.

Comment:

Prints

Performance Step: 2 Refers to prints as needed:

- PID: 33013-1923, Rev. 22
- PID: 10905-0035B, Rev. 2
- PID: 33013-0653 Rev. 13

Standard: Uses prints as needed:

- PID: 33013-1923, Rev. 22
- PID: 10905-0035B, Rev. 2
- PID: 33013-0653 Rev. 13

CUE: Only if asked for, provide PID: 10905-0035B, this can be done at any time.

Comment:

√ **Performance Step: 3** Determines Tagout Boundary for "B" Heater Drain Tank Pump.

Standard: Tagout boundary is inadequate for the following reasons:

- V-3098 should be Open not Closed and should be a 4 for order.
- V-4120 should be Closed not Open and should be a 3 for order.
- V-4116 must be added as a Hold tag, Closed and order should be a 3.
- V-3094C is for the "A" HDT pump and should not be listed.
- V-3093F should be listed as Open/Hold/4.
- Identifies **ONE** of the following issues associated with fluids greater than 200°F.
  1. Identifies (2) valve boundary (with bleed valve) is not provided per 5.6.a.2, for fluids greater than 200°F if unit stays at 40% to perform work.
  2. Identifies can work "B" Heater Drain Tank Pump as an Exceptional Tagout at 40%.
  3. Lower Power as needed to lower HDT fluid temperature to less than 200°F.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-SA-3

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- The unit is at 80% POWER.
- You are an extra SRO in the Work Control Center.
- "B" Heater Drain Tank Pump is making noises and will require a lower pump bearing replacement.
- The plant has down powered to 40% to make repairs to the "B" Heater Drain Tank Pump.
- Heater Drain Tank temperature is 305°F.
- Heater Drain Tank pressure is 74 psig.

Initiating Cue:

- The Shift Manager requests you to review the Tagout Boundaries for the "B" Heater Drain Tank Pump.
- Gland Seal and Service Water side holds will be held by a different tagout section.
- On the request below, an extra RO has recorded the Equipment Names/EIN, the Required Positions, type of tags to be hung and order tags are to be hung per A-1401, Station Holding Rules requirements to perform the work.
- When completed, provide an update to the Shift Manager.

REQUEST

	EQUIPMENT NAMES / EIN FOR ISOLATED WORK AREA	REQUIRED POSITION	TYPE OF TAG REQUIRED	ORDER TAGS TO BE HUNG
1.	V-4114	Closed	Hold	3
2.	V-4118	Closed	Hold	3
3.	V-3098	Closed	Hold	3
4.	V-4120	Open	Hold	4
5.	V-3094D	Open	Hold	4
6.	V-3094C	Open	Hold	4
7.	"B" Heater Drain Tank Pump MCB H/S 1/HDP1B	Pull/Stop	Block	1
8.	4160 Bus 11B / 27	Racked out/Knife switch open	Hold	2
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19				
20.				

Comments: None.

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 073-008-01-01

Task/JPM Title: Implement the requirements of ODCM for RMS Operability. JPM No.: 2008 NRC JPM N-SA-4

K/A Reference: 2.3.15 3.1

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom X Simulator _____ Plant _____

Applicability SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Don Dettman DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Identify Gas Delay Tank release must be secured and Aux Building ventilation may continue provided (8) hour samples are taken and all critical tasks evaluated as satisfactory.
Required Materials:	None
General References:	Offsite Dose Calculation Manual (ODCM), Rev. 21
Handouts:	Offsite Dose Calculation Manual (ODCM), Rev. 21
Time Critical Task:	NO
Validation Time:	15 minutes
Alternate Path:	NO
Instructor Notes:	None

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:

- You are the CRS.
- The plant is in MODE 1 with a normal at power lineup.
- R-14A5 has been out of service for the past week.
- "C" Gas Delay Tank is being released.
- The HCO informs you R-14 radiation monitor has just failed low.
- All other plant equipment is operating properly.

Initiating Cue: What are your actions?

START TIME: _____

√ = CRITICAL STEP

ODCM

Performance Step: 1 Identifies entry into ODCM required.

Standard: Recognizes entry condition for OCDM and finds a copy of the OCDM.

Comment:

ODCM, section 3.2

√ **Performance Step: 2** Enters section 3.2, Gaseous Effluent Monitors.
Reads and understands Controls, Applicability, Notes and Actions (2).

Standard: **First Action:** N/A.
Second Action: With less than the minimum number of radioactive gaseous effluent monitoring instrumentation channels OPERABLE, take the ACTION shown in Table 3.2-1. **Restore the inoperable instrumentation to OPERABLE status within 30 days or, if not, explain in the next Annual Radioactive Effluent Release Report**, pursuant to Section 6.2 of the ODCM, why this inoperability was not corrected in a timely manner.

CUE: Acknowledge report.

Comment:

ODCM, section 3.2

√ **Performance Step: 3** Enters section 3.2, Gaseous Effluent Monitors.
Reads and understands Controls, Applicability, Notes and Actions for: **"C" GDT Release**

Standard: 1. Identifies R-14 is required for GDT release. **Orders "C" GDT release secured**, per table 3.2-1, step c, note (b).

CUE: Acknowledge report.

Comment:

ODCM, section 3.2

√ **Performance Step: 4** Enters section 3.2, Gaseous Effluent Monitors. Reads and understands Controls, Applicability, Notes and Actions for: **Aux Building Ventilation running**

Standard: 1. Identifies Aux Building Ventilation still running with R-14 and R-14A5 out of service. Orders action # 2: If the number of OPERABLE channels is less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue provided **(orders) grab samples are taken and analyzed for isotopic activity at least once per 8 hours**, per table 3.2-1, step c, action 2.

CUE: Acknowledge report.

Comment:

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-SA-4

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You are the CRS.
- The plant is in MODE 1 with a normal at power lineup.
- R-14A5 has been out of service for the past week.
- "C" Gas Delay Tank is being released.
- The HCO informs you R-14 radiation monitor has just failed low.
- All other plant equipment is operating properly.

Initiating Cue: What are your actions?

Appendix C	Job Performance Measure Worksheet	Form ES-C-1

Facility: Ginna Task No.: 340-001-05-02C

Task/JPM Title: Event Classification JPM No.: 2008 NRC JPM N-SA-5

K/A Reference: 2.4.41 4.6

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance: _____ Actual Performance: X

Classroom _____ Simulator X Plant _____

Applicability: SRO

SUBMITTED BY: Ted Coe DATE: 6/30/08
Developer

REVIEWED BY: Art Vest DATE: 6/30/08
Training Technical Reviewer

REVIEWED BY: Vince Fabrizio DATE: 6/30/08
Operations Technical Reviewer

APPROVED BY: John Brown DATE: 6/30/08
Training Management

Task Standard:	Correct classification level, EAL number and all critical tasks evaluated as satisfactory.
Required Materials:	None
General References:	EPIP 1-0: Ginna Station Event Evaluation and Classification, Rev. 04200
Handouts:	EPIP 1-0: Ginna Station Event Evaluation and Classification, Rev. 04200
Time Critical Task:	YES, 15 minutes
Validation Time:	10 minutes
Alternate Path:	NO
Instructor Notes:	To be performed following an evaluated simulator scenario.

READ TO THE EXAMINEE

I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this Job Performance Measure will be satisfied.

Initial Conditions:
- You have just completed an evaluated simulator scenario.

Initiating Cue:
- Classify this event per EPIP 1-0.
- Provide classification level and EAL number.
- This is a time critical JPM.

START TIME: _____

√ = CRITICAL STEP

	Performance Step: 1	Locate a controlled copy of EPIP 1.0, Ginna Station Event Evaluation and Classification.
	Standard:	Locates a controlled copy of EPIP 1.0.
	Comment:	
		EPIP 1.0, section 4.0
	Performance Step: 2	Review Precautions section of procedure.
	Standard:	Reviews Precautions section of procedure.
	Comment:	
		EPIP 1.0, section 5.0
	Performance Step: 3	Review Prerequisites section of procedure.
	Standard:	Reviews Prerequisites section of procedure.
	Comment:	
		EPIP 1.0, section 6.0
√	**Performance Step: 4**	Evaluate event as per EPIP 1.0.
	Standard:	• Determines event classification and EAL number correctly per simulator scenario guide. • Makes declaration **within 15 minutes of initiating cue**.
	Comment:	

Terminating Cue: **Evaluation on this JPM is complete.**

STOP TIME: _____ **TIME CRITICAL STOP TIME:** _____

VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM N-SA-5

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result: SAT _____ UNSAT _____

Examiner's Signature: _____ Date: _____

Initial Conditions:

- You have just completed an evaluated simulator scenario.

Initiating Cue:

- Classify this event per EPIP 1-0.
- Provide classification level and EAL number.
- This is a time critical JPM.