

**Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION**

OPERATOR PROGRAM

INITIAL CONDITIONS

Unit 1 has been at 100% power, steady state operation, for the past month.

Unit-1 PCS is out of service for emergent repairs.

Unit 2 PCS is fully functional and operating normally.

Pressurizer Heater Group 3 (Proportional Heater) is in service at maximum gating and Backup Heater Group 5 is "locked-on."

Total steam generator blowdown flow is 60 gpm per steam generator.

A Tabular Log for the PCS Group "U1CALORM", using the Unit 2 PCS has been generated.

Precautions and Limitations have been reviewed.

Initial conditions have been satisfied.

INITIATING CUE

You are requested to perform a Unit 1 Calorimetric Hand Calculation manually in accordance with 1-PT-24 up to and including Step 6.2.6.

For pressurizer heater input kW determination , use the kW values provided in the Pressurizer Heater Availability Report

Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION

OPERATOR PROGRAM

R57

TASK

Perform the calorimetric heat balance (hand calculation) (1-PT-24).

TASK STANDARDS

Task was performed as directed by the procedure referenced in the task statement within parentheses (one of the underlined procedures if several are cited)

K/A REFERENCE:

015-A1.01 (3.5/3.8)

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 40 minutes
Actual Time = _____ minutes

Start Time = _____
Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion

North Anna Power Station
JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

R57 (modified)

READ THE APPLICABLE INSTRUCTIONS TO THE CANDIDATE

Instructions for Simulator JPMs

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Instructions for In-Plant JPMs

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PREREQUISITES

The trainee has completed the applicable course knowledge training at the reactor operator level.

INITIAL CONDITIONS

Unit 1 has been at 100% power, steady state operation, for the past month.

Unit-1 PCS is out of service for emergent repairs.

Unit 2 PCS is fully functional and operating normally.

Pressurizer Heater Group 3 (Proportional Heater) is in service at maximum gating and Backup Heater Group 5 is "locked-on."

Total steam generator blowdown flow is 60 gpm per steam generator.

A Tabular Log for the PCS Group "U1CALORM", using the Unit 2 PCS has been generated.

Precautions and Limitations have been reviewed.

Initial conditions have been satisfied.

INITIATING CUE

You are requested to perform a Unit 1 Calorimetric Hand Calculation manually in accordance with 1-PT-24 up to and including Step 6.2.6.

For pressurizer heater input kW determination, use the kW values provided in the Pressurizer Heater Availability Report

EVALUATION METHOD

Perform if conducted in the simulator or in a laboratory (use Performance Cue(s))

Simulate if conducted in the station or on a dead simulator (use Simulation Cue(s))

TOOLS AND EQUIPMENT

Calculator

Tabular Log - Unit 1 Calorimetric-Hand Calc

Pressurizer Heater Availability Report

0-SC-7.1, Saturated Steam and Water Enthalpies

0-SC-7.2, Feedwater Enthalpies

PERFORMANCE STEPS

START TIME _____

1	Obtain the current total blowdown flow rate.	Procedure Step 6.2.1 of 1-PT-24
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SAT ☐ UNSAT ☐

<u>Standards</u>	Blowdown rate is correctly transcribed (60 gpm each – 180 total)
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Notes/Comments
Provided in initial conditions

2	Complete Attachment 5 for "Alternate Data for Calorimetric Calculation."	Procedure Step 6.2.2 of 1-PT-24
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SAT ☐ UNSAT ☐

<u>Standards</u>	Data is transcribed using information and curves provided (see key)
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Notes/Comments
Data is obtained from tabular report provided to candidate.

3	Complete the Attachment 6 for "Feedwater Enthalpy."	Procedure Step 6.2.3 of 1-PT-24
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SAT ☐ UNSAT ☐

Standards	Attachment 6 completed using data and curves provided (see key)
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Notes/Comments

4	Complete Attachment 7 for "Feed Flow Calorimetric Determination" to the point of determining the net reactor power.	Procedure Step 6.2.4 of 1-PT-24
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SAT ☐ UNSAT ☐

Standards	Attachment 7 completed using data and curves provided (see key)
-----------	---

Notes/Comments

5	Using Attachment 8, determine the power correction factor using the lowest actual feedwater temperature.	Procedure Step 6.2.5.a of 1-PT-24
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SAT ☐ UNSAT ☐

Standards	Power correction factor determined from Attachment 8 (see key)
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Notes/Comments

6	Record the power correction factor on Attachment 7 for "Feed Flow Calorimetric Determination."	Procedure Step 6.2.5.b of 1-PT-24
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SAT ☐ UNSAT ☐

<u>Standards</u>	Data obtained in element 5 is recorded on attachment 7
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Notes/Comments

8	Complete Attachment 7 except for the "AS LEFT NI INDICATED REACTOR POWER".	Procedure Step 6.2.6 of 1-PT-24
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Critical Step SAT ☐ UNSAT ☐

<u>Standards</u>	Att. 7 is completed up to recording the "AS FOUND NI INDICATED REACTOR POWER." Calculated reactor power is determined to be 100.1%. (acceptance criteria 99.7% –100.5%).
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Notes/Comments

The band for the final calculated "Adjusted Net Reactor Power" allows for rounding of numbers during previous calculations and graph interpolations.

END OF EVALUATION

STOP TIME _____

**Dominion
North Anna Power Station
ADMINISTRATIVE JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM**

INITIAL CONDITIONS

The unit entered Mode 3 on 4/01/2010 at 0600 for a scheduled refueling outage.

The core has been reloaded and the cavity drain-down is complete.

Current conditions are as follows:

- The Date and time is 4/20/2010, 2000
- RCS level is 74 inches above Mid Loop
- RHR pump discharge temperature is 97°F
- 55 fuel assemblies were exchanged during on-load

INITIATING CUE

The Shift Manager has directed you to determine the estimated time to boil in accordance with 1-GOP-13.1, using the current conditions.
(Record your results in the space provided)

Corrected Time to Boil estimate: _____

Dominion
North Anna Power Station
ADMINISTRATIVE JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM

TASK

Determine estimated time to boil.

TASK STANDARDS

Given a copy of 1-GOP-13.1, determine the estimated time to boil

K/A REFERENCE:

G2.1.25 (3.9/4.2)

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 10 minutes

Start Time = _____

Actual Time = _____ minutes

Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion
North Anna Power Station

ADMINISTRATIVE JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

READ THE APPLICABLE INSTRUCTIONS TO THE CANDIDATE

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INITIAL CONDITIONS

The unit entered Mode 3 on 4/01/2010 at 0600 for a scheduled refueling outage.

The core has been reloaded and the cavity drain-down is complete.

Current conditions are as follows:

- The Date and time is 4/20/2010, 2000
- RCS level is 74 inches above Mid Loop
- RHR pump discharge temperature is 97°F
- 55 fuel assemblies were exchanged during on-load

INITIATING CUE

The Shift Manager has directed you to determine the estimated time to boil in accordance with 1-GOP-13.1, using the current conditions.

EVALUATION METHOD

Demonstration if conducted in the simulator or in a laboratory (use DEMONSTRATION cues)

Verbal-visual if conducted in the station or on a dead simulator (use VERBAL-VISUAL cues)

TOOLS AND EQUIPMENT

Calculator

Copy of 1-GOP-13.1.

PERFORMANCE STEPS

START TIME _____

1	Determine time after shutdown for use on attachment 1 or 2.	Procedure Step N/A
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SAT [] UNSAT []

<u>Standards</u>	Operator determines time after shutdown for use on attachment 1 or 2 is 19 days and 14 hours (470 hours).
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Notes/Comments:

2	Enter Time to Boil from midloop and 100°F from attachment 1 or 2.	Procedure Step: 5.6.1
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator determines 19.25 minutes (based on time of 470 hours from entry into Mode 3). Acceptance criteria of 19.0 – 19.5 (based on half-increment readability).
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Notes/Comments:

3	Enter correction factor for RCS water level from attachment 3.	Procedure Step: 5.6.2
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator determines 1.61 (based on initial condition of 74 inches above midloop). Acceptance criteria of 1.60 – 1.62 (based on half-increment readability).
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Notes/Comments:

4	Enter correction factor for initial RCS temperature from attachment 4.	Procedure Step: 5.6.3
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator determines 1.025 (based on initial condition of 97°F RHR pump discharge temperature). Acceptance criteria of 1.00 – 1.05 (based on half-increment readability).
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Notes/Comments:

5	Enter correction factor for number of fuel assemblies exchanged this fuel cycle on-load attachment 5.	Procedure Step: 5.6.4
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator determines 1.1175 (based on initial condition of 55 fuel assemblies were exchanged during on-load). Acceptance criteria of 1.1150 – 1.1200 (based on half-increment readability).
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Notes/Comments:

6	Determine corrected time to boil estimate.	Procedure Step: 5.6.5
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	<p>Operator determines corrected Time to Boil 35.5 minutes based on above elements. (19.25 x 1.61 x 1.025 x 1.1175)</p> <p>Acceptance criteria:</p> <p>Low calc - 33.9 minutes** (19.0 x 1.60 x 1.00 x 1.1150) High calc - 37.1 minutes (19.5 x 1.62 x 1.05 x 1.1200)</p> <p>** for conservatism a lower limit of acceptance criteria of 33 minutes is acceptable based on rounding down times.</p>
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Notes/Comments:

>>>>> END OF EVALUATION <<<<<

STOP TIME _____

SIMULATOR, LABORATORY, IN--PLANT SETUP
(If Required)

<u>TASK</u>	JOB PERFORMANCE MEASURE
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CHECKLIST

_____	Calculator
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**Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM**

INITIAL CONDITIONS

Unit 1 is operating at 100% when Nuclear Oversight reports that an inspection has identified calculation errors during the previous main steam safety valve (MSSV) testing.

The data was recalculated, and the following lists for the actual setpoints for the affected SG MSSVs:

1-MS-SV-101A – 1125 psig	1-MS-SV-103B – 1070 psig	1-MS-SV-103C – 1150 psig
1-MS-SV-102A – 1090 psig	1-MS-SV-104B – 1103 psig	
1-MS-SV-104A - 1158 psig		

INITIATING CUE

Based on the revised setpoint data provided, you are requested to perform the following:

- 1.) Identify inoperable MSSVs , if any.
- 2.) Evaluate compliance with Technical Specification requirements and determine actions required, if any.

Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION

OPERATOR PROGRAM

S35

TASK

Evaluate compliance with technical requirements (Technical Requirements) for Main Steam Safety Valves.

TASK STANDARDS

LCO 3.7.1 was entered

K/A REFERENCE:

GEN-2.1.12 (2.9/4.0)

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 8 minutes
Actual Time = _____ minutes

Start Time = _____
Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion
North Anna Power Station

JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

S35

READ THE APPLICABLE INSTRUCTIONS TO THE CANDIDATE

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PREREQUISITES

The trainee has completed the applicable course knowledge training at the senior reactor operator level.

INITIAL CONDITIONS

Unit 1 is operating at 100% when Nuclear Oversight reports that an inspection has identified calculation errors during the previous main steam safety valve setpoint.

The data was recalculated, and the following lists for the actual setpoints for the affected SG MSSVs:

1-MS-SV-101A – 1125 psig	1-MS-SV-103B – 1070 psig	1-MS-SV-103C – 1150 psig
1-MS-SV-102A – 1090 psig	1-MS-SV-104B – 1103 psig	
1-MS-SV-104A - 1158 psig		

INITIATING CUE

Based on the revised setpoint data provided, you are requested to perform the following:

- 3.) Identify inoperable MSSVs , if any.
- 4.) Determine Tech Spec REQUIRED ACTIONS and COMPLETION TIMES, if any.

EVALUATION METHOD

Perform if conducted in the simulator or in a laboratory (use Performance Cue(s))

Simulate if conducted in the station or on a dead simulator (use Simulation Cue(s))

TOOLS AND EQUIPMENT

Technical Specifications, Technical Requirements Manual, and Bases Documents.

Calculator

PERFORMANCE STEPS

START TIME _____

1	Identify the applicable technical specification LCO requirement.	Procedure Step _____
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	Tech Spec 3.7.1 is identified as the applicable LCO
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Notes/Comments

2	Determine operability of affected components using Table 3.7.1-2.	Procedure Step _____
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Critical Step	SAT [] UNSAT []
----------------------	-------------------

<u>Standards</u>	Candidate identifies only 101A, 102A, 103B, and 103C, are inoperable.
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Notes/Comments

3	Determine the REQUIRED ACTION and COMPLETION TIME for the applicable limiting condition for operation (LCO).	Procedure Step _____
---	--	----------------------

Critical Step	SAT [] UNSAT []
----------------------	----------------------

<u>Standards</u>	Using Table 3.7.1-1 and the data from element 2 candidate determines that 1.) Action B.1, reduce thermal power to less than 37% within 4 hours AND 2.) Action B.2, reduce power range neutron flux high reactor trip setpoint to less than 37% within 36 hours apply.
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Notes/Comments

END OF EVALUATION

STOP TIME _____

SIMULATOR, LABORATORY, IN--PLANT SETUP
(If Required)

**Dominion
North Anna Power Station
ADMINISTRATIVE JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM**

INITIAL CONDITIONS

Both Units are operating at 100% power with no abnormal conditions. A drain valve on the west side at the bottom of the fluid waste treating tank (1-DC-TK-2) needs to be cycled several times.

All radiation workers involved in the task have worked at the North Anna site and no other locations.

INITIATING CUE

You are directed to perform the following:

- Select the appropriate RWP for operations personnel
- Determine the required protective clothing for the job.
- Determine the required dosimetry for the job.
- Determine the dose alarm setpoint **AND** the dose rate alarm setpoint in effect under the RWP.
- Determine the maximum stay time based on reaching the dosimeter alarm setpoint (assume that NO dose is accumulated in transit to or from the work location).
- State the action(s) required if a dosimeter alarm setpoint is reached.

Dominion
North Anna Power Station
ADMINISTRATIVE JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM

TASK

Determine Correct RWP, Stay Time, Dosimetry, and Dressout Requirements For A Given Task.

TASK STANDARDS

Correct RWP is selected, protective clothing and dosimetry are selected for the given RWP, dose alarm and dose rate setpoints identified from the RWP, and the maximum stay time calculated based on the alarm setpoints.

K/A REFERENCE:

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 20 minutes

Actual Time = _____ minutes

Start Time = _____

Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion
North Anna Power Station

ADMINISTRATIVE JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

READ THE APPLICABLE INSTRUCTIONS TO THE CANDIDATE

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INITIAL CONDITIONS

Both Units are operating at 100% power with no abnormal conditions. A drain valve on the west side at the bottom of the fluid waste treating tank (1-DC-TK-2) needs to be cycled several times.

All radiation workers involved in the task have worked at the North Anna site and no other locations.

INITIATING CUE

You are directed to perform the following:

- Select the appropriate RWP for operations personnel
- Determine the required protective clothing for the job.
- Determine the required dosimetry for the job.
- Determine the dose alarm setpoint **AND** the dose rate alarm setpoint in effect under the RWP.
- Determine the maximum stay time based on reaching the dosimeter alarm setpoint (assume that NO dose is accumulated in transit to or from the work location).
- State the action(s) required if a dosimeter alarm setpoint is reached.

EVALUATION METHOD

Demonstration if conducted in the simulator or in a laboratory (use DEMONSTRATION cues)
Verbal-visual if conducted in the station or on a dead simulator (use VERBAL-VISUAL cues)

TOOLS AND EQUIPMENT

RWPs, Survey Map, Calculator

PERFORMANCE STEPS

START TIME _____

1	From the RWPs provided determine which RWP is applicable for the job.	Procedure Step RWP 10-2229
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SAT ☐ UNSAT ☐

<u>Standards</u>	RWP 10-2229 is selected from the four RWPs provided.
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Notes/Comments:

RWP 10-0001 is not correct since no HRA entries are allowed under this RWP.

RWP 10-1007 is not correct since it is for maintenance activities.

RWP 10-1203 is not correct since it is for emergency situations

RWP 10-2229 is the correct RWP.

2	From the RWPs provided, determine the protective clothing requirements.	Procedure Step: RWP 10-2229
---	---	--------------------------------

Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator determines that the area is in a contaminated area (CA) and the protective clothing requirements are those listed on the RWP for contaminated areas.
------------------	---

Notes/Comments:	Operator is required to identify from the survey map that the area is a contaminated area (CA).
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3	From the RWPs provided, determine the dosimetry required.	Procedure Step: RWP 10-2229
---	---	--------------------------------

Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator identifies that DAD/SRD & TLD.
------------------	---

Notes/Comments:	Operator is required to identify from the survey map that the area is a high rad area.
-----------------	--

4	From the RWPs provided, determine the dose alarm setpoint and dose rate alarm in effect under the RWP.	Procedure Step: RWP 10-2229
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
----------------------	---

<u>Standards</u>	Operator correctly identifies that the dose alarm is 50 mRem and the dose rate alarm is 500 mRem/hr.
------------------	--

Notes/Comments: Operator is required to identify from the survey map that task 2 setpoint must be used based on work location.
--

5	Determine the maximum stay time in minutes based on reaching the RWP dose alarm setpoint.	Procedure Step: RWP 10-2229
---	---	--------------------------------

Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
----------------------	---

<u>Standards</u>	Operator uses RWP to determine dose alarm is set at 50 mRem. Operator uses survey map to determine general area dose rate is 125 mr/hr. Operator then divides 50 by 125 to obtain a stay time of 24 minutes after converting to minutes (.4 hrs x 60 minutes).
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Notes/Comments:

5	State the action(s) required if a dosimeter alarm setpoint is reached.	Procedure Step: RWP 10-2229
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	Operator correctly identifies leave area immediately and report to (notify) the health physics office.
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Notes/Comments:

END OF EVALUATION

STOP TIME _____

**Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION

OPERATOR PROGRAM**

INITIAL CONDITIONS

Unit 1 is shutdown with RCS temperature at 420° F.

Unit 2 is at 100% power.

1-VG-RM-179 has had a valid reading of $4.22 \text{ E} + 7^{\mu}$ Ci/sec. for 18 minutes.

Dose assessment is available and indicates that doses at or beyond the site boundary are 40 mR TEDE and 120 mR CDE thyroid.

INITIATING CUE

You are requested to classify an emergency event in accordance with EPIP-1.01. This is a time critical JPM.

Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM

TASK

Classify an emergency event.

TASK STANDARDS

Event was identified as RA1.2 within 15 minutes.

K/A REFERENCE:

GEN-2.4.41 (2.9/4.6)

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 10 minutes
Actual Time = _____ minutes

Start Time = _____
Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion
North Anna Power Station

JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

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PREREQUISITES

The trainee has completed the applicable course knowledge training at the senior reactor operator level.

INITIAL CONDITIONS

Unit 1 is shutdown with RCS temperature at 420° F.

Unit 2 is at 100% power.

VG-RM-179 has had a valid reading of $4.22 \text{ E} + 7 \text{ }^{\mu}\text{Ci/sec.}$ for 18 minutes.

Dose assessment is available and indicates that doses at or beyond the site boundary are 40 mR TEDE and 120 mR CDE thyroid.

INITIATING CUE

You are requested to classify an emergency event in accordance with EPIP-1.01. This is a time critical JPM.

EVALUATION METHOD

Perform if conducted in the simulator or in a laboratory (use Performance Cue(s))

Simulate if conducted in the station or on a dead simulator (use Simulation Cue(s))

TOOLS AND EQUIPMENT

None

PERFORMANCE STEPS

START TIME _____

1	Determine the EAL identifier using the emergency action level matrix.	Procedure Step _____
---	---	----------------------

Critical Step	SAT [] UNSAT []
----------------------	----------------------

<u>Standards</u>	Event is identified as RA1.2 within 15 minutes.
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Notes/Comments

>>>>> END OF EVALUATION <<<<<

STOP TIME _____

SIMULATOR, LABORATORY, IN--PLANT SETUP
(If Required)

**Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION

OPERATOR PROGRAM**

INITIAL CONDITIONS

Unit 1 has experienced a loss of offsite power and the station emergency manager (SEM) has declared an NOUE, EAL identifier SU1.1.

PCS printouts are available for meteorological data.

NO release of radioactive material is presently occurring.

There are NO known impediments to site access.

INITIATING CUE

You are requested to make initial state and local notifications in accordance with EPIP 2.01, "Notification of State and Local Governments."

This is the initial emergency declaration and the station emergency manager has directed items 5 through 9 of Attachment 2 to be excluded from the message.

This JPM is time critical.

Dominion
North Anna Power Station
JOB PERFORMANCE MEASURE EVALUATION
OPERATOR PROGRAM

TASK

Make state and local notifications in accordance with EPIP-2.01.

TASK STANDARDS

Make notification of event (SU1.1).

K/A REFERENCE:

GEN-2.4.41 (2.9/4.6)

ALTERNATE PATH:

N/A

TASK COMPLETION TIMES

Validation Time = 10 minutes
Actual Time = _____ minutes

Start Time = _____
Stop Time = _____

PERFORMANCE EVALUATION

Rating ☐ SATISFACTORY ☐ UNSATISFACTORY

Candidate (Print) _____

Evaluator (Print) _____

Evaluator's Signature /
Date _____

EVALUATOR'S COMMENTS

Dominion
North Anna Power Station

JOB PERFORMANCE MEASURE
(Evaluation)

OPERATOR PROGRAM

READ THE APPLICABLE INSTRUCTIONS TO THE CANDIDATE

Instructions for Simulator JPMs

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

Instructions for In-Plant JPMs

I will explain the initial conditions, and state the task to be performed. All steps, including any required communications, shall be simulated for this JPM. Under no circumstances are you to operate any plant equipment. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

PREREQUISITES

The trainee has completed the applicable course knowledge training at the senior reactor operator level.

INITIAL CONDITIONS

Unit 1 has experienced a loss of offsite power and the station emergency manager (SEM) has declared an NOUE, EAL identifier SU1.1.

PCS printouts are available for meteorological data.

NO release of radioactive material is presently occurring.

There are NO known impediments to site access.

INITIATING CUE

You are requested to make initial state and local notifications in accordance with EPIP 2.01, "Notification of State and Local Governments."

This is the initial emergency declaration and the station emergency manager has directed items 5 through 9 of Attachment 2 to be excluded from the message.

This JPM is time critical.

EVALUATION METHOD

Perform if conducted in the simulator or in a laboratory (use Performance Cue(s))

Simulate if conducted in the station or on a dead simulator (use Simulation Cue(s))

TOOLS AND EQUIPMENT

EPIP-2.01, " Notification Of State And Local Governments."

PCS printout with met data.

PERFORMANCE STEPS

START TIME _____

1	Initiate EPIP -2.01	Procedure Step 1 of EPIP-2.01
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SAT ☐ UNSAT ☐

<u>Standards</u>	Operator fills in information on step 1.
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Notes/Comments

2	Check first report of emergency.	Procedure Step 2 of EPIP-2.01
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SAT ☐ UNSAT ☐

<u>Standards</u>	Operator determines from initial conditions that this is the first report of the emergency.
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Notes/Comments

3	Check emergency remains in effect.	Procedure Step 3 of EPIP-2.01
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SAT <input type="checkbox"/>	UNSAT <input type="checkbox"/>
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<u>Standards</u>	Operator recognizes this to be the initial report from the initial conditions.
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Notes/Comments

4	Record information on Attachment 2, "Report of Emergency to State and Local Governments."	Procedure Step 4 of EPIP-2.01
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	Information on Attachment 2 is accurately and completely filled in.
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Notes/Comments

5	Have SEM/RM approve report.	Procedure Step 5 of EPIP-2.01
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Critical Step	SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>
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<u>Standards</u>	SEM/RM approves and signs the approval block on Attachment 2.
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<u>Simulate Cue(s)</u>	Inform operator "I am the SEM and I will approve the report."
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Notes/Comments

6	Check Instaphone clear of conflicting message traffic.	Procedure Step 6.a of EPIP-2.01
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SAT <input type="checkbox"/> UNSAT <input type="checkbox"/>

<u>Standards</u>	Operator correctly locates phone and verifies no conflicting message traffic.
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<u>Simulate Cue(s)</u>	Inform operator "There is no conflicting message traffic."
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Notes/Comments

7	Operator makes contact with State and local Emergency Operation Centers (EOCs).	Procedure Step 6.b of EPIP-2.01
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	Operator makes contact.
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<u>Simulate Cue(s)</u>	Inform operator "This is the Virginia State EOC stand by for a roll call".
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Notes/Comments

8	Perform initial roll call.	Procedure Step 6.c of EPIP-2.01
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	Operator checks boxes as EOCs answer.
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<u>Simulate Cue(s)</u>	Inform operator "Louisa County is on the line, Spotsylvania County is on the line, Hanover County is on the line, Orange County is on the line, Caroline County is on the line."
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Notes/Comments

8	Record time initial notification was made.	Procedure Step 6.d of EPIP-2.01
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Critical Step	SAT [] UNSAT []
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<u>Standards</u>	Operator enters time. Time is less than or equal to 15 minutes
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<u>Simulate/Performance Cue(s)</u>	Inform operator JPM is complete.
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Notes/Comments

END OF EVALUATION

STOP TIME _____

SIMULATOR, LABORATORY, IN--PLANT SETUP
(If Required)