OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION:	SALEM
SYSTEM:	Radiation Control
TASK:	Authorize a Radioactive Gas Release Form
TASK NUMBER:	N1120650302
JPM NUMBER:	16-01 NRC SRO-A4
ALTERNATE PATH: [ ]	K/A NUMBER: G 2.3.6
	IMPORTANCE FACTOR: RO ____ SRO 3.8
APPLICABILITY: EO [ ] RO [ ] STA [ ] SRO [X]	
EVALUATION SETTING/METHOD:	Classroom
REFERENCES:	S1.OP-SO.WG-0010 Rev. 31 (checked 10-4-17)
TOOLS AND EQUIPMENT:	
VALIDATED JPM COMPLETION TIME:	10 min
TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS:	N/A
Developed By:	R. Chan Rudolph Chan Instructor — Date: 12-11-17
Validated By:	N/A R 12-11-17 SME or Instructor — Date: N/A R
Approved By:	Training Department McHugh — Date: 12/15/17
Approved By:	Operations Department MYERS — Date: 12/15/17

ACTUAL JPM COMPLETION TIME:

ACTUAL TIME CRITICAL COMPLETION TIME:

PERFORMED BY: _____

GRADE: [ ] SAT [ ] UNSAT

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: DATE:

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REVISION HISTORY

JPM NUMBER: 16-01 NRCSRO-A4

Rev #	Date	Description	Validation Required
00	10-4-17	Added revision history and simulator setup pages. Editorial comments from IP 71111.11 FASA.	Yes
01	12-11-17	Incorporated NRC Prep week comments.	No

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SIMULATOR SETUP INSTRUCTIONS

SYSTEM: Radiation Control - Administrative

TASK: Authorize a Radioactive Gas Release Form

TASK NUMBER: N1120650302

SIMULATOR IC: N/A

MALFUNCTIONS / REMOTES: N/A

OVERRIDES: N/A

SPECIAL INSTRUCTIONS:

Evaluator's Note: A cue directing the performer to review the entire procedure is embedded several places in body of JPM, based on previous performance of this JPM where an operator will find the first flaw and discontinue reviewing the remainder of the procedure. **If required**, stress during initiating cue that the entire procedure is to be reviewed to ensure the candidate is allowed to identify all deficiencies.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Radiation Control - Administrative

TASK: Authorize a Radioactive Gas Release Form

TASK NUMBER: N1120650302

INITIAL CONDITIONS:

- 13 WGDT is in holdup in preparation for performing a gas release via the Plant Vent.
- Chemistry has performed all required sampling and authorized the gas release.
- The release procedure, S1.OP-SO.WG-0010, Discharge of 13 Gas Decay Tank to Plant Vent, has just been handed to you by the Unit 1 Plant Operator, who informs you the release is ready for CRS approval.
- All procedure sections are complete up to Step 5.2.9.

INITIATING CUE:

- You are the Unit 1 Control Room Supervisor (CRS).
- **REVIEW** all completed sections of the procedure for accuracy and completeness.
- **DETERMINE** the following:
    a. Can you authorize the gas release?
    b. If No release is authorized; identify ALL issues to be corrected.

Successful Completion Criteria:

1. All critical steps completed
2. All sequential steps completed in order
3. All time-critical steps completed within allotted time
4. JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made (and NRC concurrence is obtained).

Task Standard for Successful Completion:
1. Review Gas Release and identify that:
a. Pre-Release verification has not been performed in Attachment 1, Section 1.0.
b. Calculated Maximum Allowable Release Rate is not > 32 SCFM.
c. CRS does not authorize the gas release.

OPERATOR TRAINING PROGRAM NAME:_____

JOB PERFORMANCE MEASURE DATE:_____

System: Radiation Control - Administrative

Task: Authorize a Radioactive Gas Release Form

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide marked up S1.OP-SO.WG-0010 to operator.			
	CUE:	Fill in the JPM Start Time when the student acknowledges the Initiating Cue. **START TIME:**_____			
			Operator reviews procedure. **Possible Cue Required**: On page 17, the Estimated Total Volume of Waste Gas to be released is entered by Chemistry during performance of Attachment 2, section 3.0, DOSE, VOLUME ESTIMATES AND APPROVAL. **IF** an operator requests the Release Permit, or questions the estimated release volume or ANY aspect of Section 3.0, **THEN** provide the following cue: **Cue:** The data provided in Section 3 of Attachment 2 was transferred properly by Chemistry from the Radioactive Gaseous Release Permit.		

OPERATOR TRAINING PROGRAM NAME:_____

JOB PERFORMANCE MEASURE DATE:_____

System: Radiation Control - Administrative

Task: Authorize a Radioactive Gas Release Form

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	5.2.8 AND ATT. 1 Sect. 1.0		**The first error in the procedure is that the PRE-RELEASE VERIF in Attachment 1, Section 1.0 has not been performed at step 5.2.8, prior to the procedure being given to the CRS for release approval.**		
*	ATT 2 3.4 AND 4..1		**The second error is that the Maximum Allowable Release Rate of 32 SCFM recorded in Step 3.4 and 4.1 is not > 32 SCFM. IAW NOTE in Step 3.4; Tanks with a calculated maximum allowable release rate of ≤ 32 SCFM cannot be released.**		
		Operator identifies and records discrepancies.			
	CUE:	**JPM is Complete** **RECORD** the STOP TIME. **STOP TIME:**_____	**Terminate JPM when operator determines if release is authorized, records discrepancies, AND the entire procedure has been reviewed.**		

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

JPM#: 16-01 NRCSRO-A4

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating Cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure: Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify Cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

SME/Instructor:_____ Date: _____

SME/Instructor:_____ Date: _____

SME/Instructor:_____ Date: _____

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