

MANUAL HARD COPY DISTRIBUTION

DOCUMENT TRANSMITTAL 2003-42351

USER INFORMATION:

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TRANSMITTAL INFORMATION:

TO: ~~GERLACH*ROSE M~~ 09/17/2003
LOCATION: DOCUMENT CONTROL DESK
FROM: NUCLEAR RECORDS DOCUMENT CONTROL CENTER
(NUCSA-2)
THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
OR ELECTRONIC MANUAL ASSIGNED TO YOU:

104 - 104 - RADIATION PROTECTION COORDINATOR (RPC):
EMERGENCY PLSN-POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 09/09/2003

ADD MANUAL TABLE OF CONTENTS DATE: 09/16/2003

CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-104
REPLACE: REV:17

REPLACE: REV:17

REMOVE: PCAF 2003-1640 REV: N/A

ADD: PCAF 2003-1640 REV: N/A

UPDATES FOR HARD COPY MANUALS WILL BE DISTRIBUTED
WITHIN 5 DAYS IN ACCORDANCE WITH DEPARTMENT
PROCEDURES. PLEASE MAKE ALL CHANGES AND
ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX UPON
RECEIPT OF HARD COPY. FOR ELECTRONIC MANUAL USERS,
ELECTRONICALLY REVIEW THE APPROPRIATE DOCUMENTS AND
ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX.

A045

ALARA REVIEW

Check ☒

A. PERSON-REM ESTIMATION

- | | |
|---|--|
| <p>_____ 1. Assess the number of workers required.</p> <p>2. Evaluate the use of fewer workers.</p> <p>3. Investigate experience of workers selected.</p> | <p>4. Assure all workers have essential, productive tasks.</p> <p>5. Assure workers have available exposure.</p> <p>6. Evaluate criteria for emergency exposure.</p> |
|---|--|

B. PLANNING

- | | |
|--|---|
| <p>_____ 1. Preplanning meeting with supervisors and/or workers required.</p> <p>2. Access to and exit from work are planned.</p> <p>3. Evaluate staging/setup in accessible low dose rate area.</p> | <p>4. Prefabrication considered.</p> <p>5. Evaluate use of remote handling devices or other special tools.</p> <p>6. Cold equipment "mockups", rehearsals, or other practical exercise.</p> |
|--|---|

C. EXPOSURE REDUCTION CONTROLS

- | | |
|---|---|
| <p>_____ 1. Evaluate need for timekeeping.</p> <p>2. Consider use of water bucket shielding for carrying hot parts.</p> <p>3. Consider use of shielded drums or lead "pigs" for carrying hot parts.</p> <p>4. Consider use of temporary shielding such as lead wool blankets, lead sheets, or lead bricks.</p> <p>5. Consider use of shadow shields utilizing a portable curtain shield.</p> <p>6. System or equipment to be filled with water.</p> | <p>7. System or equipment to be drained and flushed.</p> <p>8. Assess exposure reduction by permitting decay of radiation sources during reactor shutdown or system isolation.</p> <p>9. Assess the need of communication devices such as head sets, TV cameras, others.</p> <p>10. Assess practicality of removing component from radiation area.</p> <p>11. Evaluate use of photographs of "as installed equipment" to aid in worker briefings.</p> |
|---|---|

D. AIRBORNE/CONTAMINATION CONTROL

- | | |
|--|--|
| <p>_____ 1. Assess need for respiratory protection usage against effectiveness of engineering controls.</p> <p>2. Assess individual's history of internal DAC-Hr exposure to airborne contamination.</p> | <p>3. Assess necessity of area decon before commencement of work.</p> <p>4. Containment structure (tent) required.</p> <p>5. Portable ventilation system required.</p> <p>6. Assess need for flooding or draining rooms.</p> <p>7. Assess hot particle or fuel fragment migration.</p> |
|--|--|

Performed by _____

Provided below are the instructions on how to retrieve an individual's occupational exposure information.

1. Log into NIMS, go to RPDPERX screen.
2. Query the individual.
3. Click on DOSE SUMMARIES button.
4. The screen in Figure 1 will appear.
5. The individual's YEAR-TO-DATE (YTD) dose will be provided as 'NRC PERIOD EXPOSURE' for the current calendar year.

The screenshot displays the 'Radiation Protection Management {PPL TATS}' application window. The 'RPDPERX' tab is active, and the 'Dose Summaries' button is highlighted. Below the header, the 'Person Related Information' section shows the individual's name as 'John Doe', ID as '123456789', and SSN as 'SSN'. The 'Dose Summaries' table is displayed below, showing various exposure metrics for the individual.

NP	Year	Type	DOE (mrem)	LDE (mrem)	SOE WB (mrem)	SOE ME (mrem)	SOE DE (mrem)	COE (mrem)	TEDE (mrem)	DOE (mrem)
		Lifetime Exposure	52	52	62	62	0	0	52	52
		Lifetime Level							45000	
2002		NRC Period Available	2000	12000	40000	40000			2000	2000
2002		NRC Period Exposure	0	0	0	0	0	0	0	0
2002		NRC Period Level	2000	12000	40000	40000			2000	2000
2002		non SSES Exposure								
2002		SSES Exposure	0	0	0	0	0	0	0	0

Figure 1

Affected Unit _____

Control No. _____

PROTECTIVE ACTION RECOMMENDATION FORM
SUSQUEHANNA STEAM ELECTRIC STATION

☐ This is a Drill ☐ This is NOT a Drill Preparer: _____

The EMERGENCY CLASSIFICATION is:

☐ Unusual Event ☐ Alert ☐ Site Area Emergency ☐ General Emergency

Basis: EAL # _____

This represents:

☐ Initial Classification ☐ Escalation ☐ Reduction ☐ No Change in the Classification Status

Emergency Action(s) implemented onsite:

☐ None ☐ Evacuation of non-essential personnel
☐ Local Area Evacuation ☐ KI to onsite personnel
☐ Site Accountability ☐ Other _____

Bases: _____

The PROTECTIVE ACTION RECOMMENDATION is:

<input type="checkbox"/> No Protective Action Recommendation Required	
<input type="checkbox"/> Evacuate 0-2 miles and Shelter 2-10 miles	<input type="checkbox"/> Relocation
<input type="checkbox"/> Evacuate 0-10 miles	<input type="checkbox"/> Control of Access
	<input type="checkbox"/> Contamination Controls/Decon
<input type="checkbox"/> Divert Danville Drinking Water*	<input type="checkbox"/> Other

*Expected arrival of release at Danville: _____

This represents: ☐ Initial ☐ Change ☐ No Change in the Protective Action Recommendation

The BASIS for the Protective Action Recommendation is:

Plant Status

Status of Radioactive Release: Event-related release in progress? ☐ Yes ☐ No

Total Site Release Rate	Airborne	Liquid
< Tech Requirements Limit	<input type="checkbox"/>	<input type="checkbox"/>
≥ Tech Requirements Limit	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: TRM Limits ($\mu\text{Ci}/\text{min}$): Noble Gas $1.00\text{E}+6$; Iodine $1.04\text{E}+2$; Particulate $7.72\text{E}+2$
(Airborne releases)

Based on: ☐ Effluent Monitors ☐ Field Measurements ☐ Engineering Judgement

Data measured in the field confirm release rate estimations: ☐ Yes ☐ No ☐ N/A

Weather Conditions: Wind Speed _____ Wind Direction _____

Dose Projections: ☐ TEDE > 1 rem or thyroid CDE > 5 rem at 2 miles
☐ TEDE > 1 rem or thyroid CDE > 5 rem at EPB
☐ TEDE ≤ 1 rem and thyroid CDE ≤ 5 rem at EPB

Other:

Approval: _____ Date/Time: _____

Emergency Director or Recovery Manager approval required if change in Classification or Protective Action Recommendation.

RPC or DASU approval if no change in the Classification or Protective Action Recommendation.

Transmittal: ☐ Verbal ☐ Electronic ☐ Both

Communicated To:

NAME

AGENCY

DATE/TIME