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~~TO: FLAIM*LAUREL B 02/27/2003
LOCATION: DOCUMENT CONTROL DESK
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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
OR ELECTRONIC MANUAL ASSIGNED TO YOU:

118 - 118 - RADIATION PROTECTION CLERK: EMERGENCY
PLAN-POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 09/03/2002

ADD MANUAL TABLE OF CONTENTS DATE: 02/26/2003

CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-118
REMOVE: REV:11

ADD: REV: 12

UPDATES FOR HARD COPY MANUALS WILL BE DISTRIBUTED
WITHIN 5 DAYS IN ACCORDANCE WITH DEPARTMENT
PROCEDURES. PLEASE MAKE ALL CHANGES AND
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ELECTRONICALLY REVIEW THE APPROPRIATE DOCUMENTS AND
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A045

PROCEDURE COVER SHEET

PPL SUSQUEHANNA, LLC	NUCLEAR DEPARTMENT PROCEDURE	
RADIATION PROTECTION CLERK: Emergency-Plan-Position-Specific Instruction		EP-PS-118 Revision 12 Page 1 of 4
<u>QUALITY CLASSIFICATION:</u> () QA Program (X) Non-QA Program	<u>APPROVAL CLASSIFICATION:</u> () Plant () Non-Plant (X) Instruction	
EFFECTIVE DATE: <u>2-26-2003</u> PERIODIC REVIEW FREQUENCY: <u>Two Years</u> PERIODIC REVIEW DUE DATE: <u>2-26-2005</u>		
<u>RECOMMENDED REVIEWS:</u> All		
Procedure Owner: <u>Nuclear Emergency Planning</u> Responsible Supervisor: <u>Supervisor Admin Support-Nuclear</u> Responsible FUM: <u>Supv.-Nuclear Emergency Planning</u> Responsible Approver: <u>General Manager-Plant Support</u>		

RADIATION PROTECTION COORDINATOR'S CLERK

WHEN: TSC Activation
HOW NOTIFIED: Telephone (Telenotifications System)
REPORT TO: Technical Support Center
WHERE TO REPORT: Administrative Support Coordinator, then to the
Radiation Protection Coordinator

OVERALL DUTY:

Keep an accurate and detailed log of the Radiation Protection Coordinator's activities, distribute the **Protective Action Recommendation Form** and **MIDAS Dose Summary Report**, and update the **Big Picture Board** with current dose information.

MAJOR TASKS:

A. Maintain a log of the Radiation Protection Coordinator's activities and decisions.

NOTE:

Military time shall be used for all log entries.

1. Log all telephone calls to and from the RPC.
2. Log all information presented by the RPC at the Emergency Director's briefings (usually held every thirty minutes).

NOTE:

If the RPC has already begun activities prior to your arrival, ask for an update for entry into the log.

B. Distribute the Protective Action Recommendation Form

1. Obtain the Protective Action Recommendation Form from the Radiation Protection Coordinator.
2. Make two copies.
3. Distribute to:
 - a. _____ Radiation Protection Coordinator
 - b. _____ TSC Communicator
 - c. _____ Telecopy Clerk (original)

4. Remind the Telecopy Clerk to transmit the Protective Action Recommendation Form to:
 - a. _____ Media Operations Center
 - b. _____ Emergency Operations Facility
5. Continue distribution until the EOF assumes control of the emergency.

C. Distribute the MIDAS Dose Summary Report.

NOTE:

The MIDAS Dose Summary Report is a printout taken from the computer located near the TSC Dose Calculator and prints out approximately every fifteen minutes.

1. Obtain **MIDAS Dose Summary Report** from the TSC Dose Calculator.

NOTE:

The report must contain signatures in the "Calculated By" and "Revised By" spaces. If it does not, return the form to the Dose Calculator.

2. Transmit the "MIDAS Dose Summary Report" to the EOF Dose Assessment Area using the telecopy machine located in the TSC Rad Area.
3. Xerox two copies.
4. Distribute to:
 - a. _____ Radiation Protection Coordinator
 - b. _____ Dose Calculator
 - c. _____ Telecopy Clerk (original)
5. Remind the Telecopy Clerk to transmit the MIDAS Dose Summary Report to the Public Information Manager located in the Media Operations Center.

D. Update the Big Picture Board.

NOTE:

The Big Picture Board is located on the wall near the TSC Communicators.

1. Record data from the "Protective Action Recommendation" section of the Protective Action Recommendation Form onto the Big Picture Board in the block marked **"RECOMMENDED PROTECTIVE ACTION."**

2. Continue to update the board whenever the status changes.
- E. **If you are relieved at shift turnover, brief your replacement by reviewing log entries.**
- F. **Upon termination of the emergency condition:**
1. When dismissed by the Radiation Protection Coordinator:
 - a. Turn in the Radiation Protection Coordinator's logbook to the TSC Administrative Coordinator.
 - b. Collect one copy of each form you have distributed (preferably the original):
 - (1) _____ Protective Action Recommendation Form
 - (2) _____ MIDAS Dose Summary Report
 - c. Collate each form by type, time/number.
 - d. Turn over the forms to the Administrative Support Coordinator.
 - e. Attend a debriefing by the Administrative Support Coordinator before leaving the TSC.

SUPPORTING INFORMATION:

- **Protective Action Recommendation Form**
- **Typical MIDAS Dose Summary Report**

The BASIS for the Protective Action Recommendation is:

Plant Status

Status of Radioactive Release:

Status	Airborne	Liquid
< Tech Requirements Limit (Routine)	<input type="checkbox"/>	<input type="checkbox"/>
≥ Tech Requirements Limit (Event Related)	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: TRM Limits ($\mu\text{Ci}/\text{min}$): Noble Gas $8.51\text{E}+5$; 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

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 \leq 1 rem and thyroid CDE \leq 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

PRINT DATE/TIME: 8/19/97 11:11 CURRENT TIME PERIOD: 8/19/97 11:15

MIDAS DOSE SUMMARY REPORT

REACTOR SHUTDOWN: 8/19/97 18:53 WIND SPEED (MPH): 5
 START OF RELEASE: 8/19/97 18:53 WIND FROM (DEG): 120 (ESE)
 MENU SELECTION: FORWARD CALCULATIONS STABILITY CLASS: D
 SOURCE TERM: LOCA (RX DP-NO FD) PRECIPITATION: NO

CURRENT (SITE TOTAL) RELEASE RATE

(uCi/min)

<u>NOBLE GAS</u>	<u>I-131</u>	<u>PARTICULATES</u>
6.98E+09	9.96E+01	9.96E+01

CURRENT AFFECTED SECTOR DOSE RATES				
LOCATION	OSCAR		EPB	
UNITS	DOSE RATE (mrem/hr)	AFFECTED SECTOR	DOSE RATE (mrem/hr)	AFFECTED SECTOR
TEDE RATE	976.52	WNW	854.38	WNW
EDE RATE	976.51		854.29	
THY CDE RATE	8.23		0.17	

6.00 HOUR PROJECTED DOSES								
DISTANCE	OSCAR		EPB		2 MILE		10 MILE	
	DOSE (mrem)	PEAK SECTOR	DOSE (mrem)	PEAK SECTOR	DOSE (mrem)	PEAK SECTOR	DOSE (mrem)	PEAK SECTOR
EDE	244.13	WNW	213.58	WNW	112.81	WNW	3.33	WNW
LUME	244.13		213.57		112.81		3.33	
GND 4-DAY	2.23E-03		1.68E-03		3.48E-04		1.16E-05	
THY CDE	0.07	NW	0.05	NW	0.02	WNW	6.11E-04	WNW

CALCULATED BY: _____ DATE: _____
 REVIEWED BY: _____ DATE: _____
 COMMENTS: _____

RESTART	CONTINUE
REPORT	