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~~TO: FLAIM*LAUREL B~~ 09/04/2002
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:

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

REMOVE MANUAL TABLE OF CONTENTS DATE: 12/11/2000

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

CATEGORY: PROCEDURES TYPE: EP

ID: EP-PS-118

REMOVE: REV:10

ADD: REV: 11

REMOVE: PCAF 2000-5954 REV: N/A

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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 11 Page 1 of 7
<u>QUALITY CLASSIFICATION:</u> () QA Program (X) Non-QA Program		<u>APPROVAL CLASSIFICATION:</u> () Plant () Non-Plant (X) Instruction	
EFFECTIVE DATE: <u>9-3-2002</u> PERIODIC REVIEW FREQUENCY: <u>Two Years</u> PERIODIC REVIEW DUE DATE: <u>9-3-2004</u>			
<u>RECOMMENDED REVIEWS:</u> All			
Procedure Owner: <u>Nuclear Emergency Planning</u> Responsible Supervisor: <u>Supervisor-Administrative</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

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

Radioactive Release: ☐ Monitored ☐ Unmonitored

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)

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 ≤ 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

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 10:53

START OF RELEASE: 8/19/97 10:53

MENU SELECTION: FORWARD CALCULATIONS

SOURCE TERM: LOCA (RX DP-NO FD)

WIND SPEED (MPH): 5

WIND FROM (DEG): 120 (ESE)

STABILITY CLASS: D

PRECIPITATION: NO

CURRENT (SITE TOTAL) RELEASE RATE

(uCi/min)

NOBLE GAS
6.98E+09

I-131
9.96E+01

PARTICULATES
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	854.30	WNW
EDE RATE	976.51		854.29	
THY CDE RATE	0.23		0.17	

6.00 HOUR PROJECTED DOSES								
DISTANCE	OSCAR		EPB		2 MILE		10 MILE	
UNITS	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
EDE	1.49E-03		1.13E-03		4.80E-04		1.77E-05	
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: _____

REVIEWED BY: _____

COMMENTS: _____

DATE: _____

DATE: _____

RESTART	CONTINUE
REPORT	