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

REMOVE MANUAL TABLE OF CONTENTS DATE: 03/06/2003

ADD MANUAL TABLE OF CONTENTS DATE: 03/20/2003

CATEGORY: PROCEDURES TYPE: EP  
ID: EP-PS-104  
ADD: PCAF 2003-1209 REV: N/A

REMOVE: PCAF 2003-1144 REV: N/A

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## PROCEDURE CHANGE PROCESS FORM

1. PCAF NO. 2005-1209 | 2. PAGE 2 OF 6 | 3. PROC. NO. EP-PS-104 REV. 16

11. This question documents the outcome of the 50.59 and 72.48 Review required by NDAP-QA-0726. Either 11a, b, c or d must be checked "YES" and the appropriate form attached or referenced.
- a. This change is an Administrative Correction for which 50.59 and 72.48 are not applicable.  YES  N/A
- b. This change is a change to any surveillance, maintenance or administrative procedure for which 50.59 and 72.48 are not applicable.  YES  N/A
- c. This change is bounded by a 50.59/72.48 Screen/Evaluation, therefore, no new 50.59/72.48 Evaluation is required.  YES  N/A  
 Screen/Evaluation No. n/a
- d. 50.59 and/or 72.48 are applicable to this change and a 50.59/72.48 Screen/Evaluation is attached.  YES  N/A
12. This change is consistent with the FSAR or an FSAR change is required.  YES  
 Change Request No. n/a
13. Should this change be reviewed for potential effects on Training Needs or Material?  YES  NO  
 If YES, enter an Action Item @ NIMS/Action/Gen Work Mech/PICN
14. Is a Surveillance Procedure Review Checklist required per NDAP-QA-0722?  YES  NO
15. Is a Special, Infrequent or Complex Test/Evolution Analysis Form required per NDAP-QA-0320? (SICT/E form does not need to be attached.)  YES  NO

16. Reviews may be documented below or by attaching Document Review Forms NDAP-QA-0101-1.

REVIEW	REVIEWED BY WITH NO COMMENTS	DATE
QADR TECHNICAL REVIEW	<u>R.A. Lenzel</u>	<u>3/18/03</u>
REACTOR ENGINEERING/NUCLEAR FUELS *		
IST **		
OPERATIONS		
NUCLEAR SYSTEMS ENGINEERING		
NUCLEAR MODIFICATIONS		
MAINTENANCE		
HEALTH PHYSICS		
NUCLEAR TECHNOLOGY		
CHEMISTRY		
OTHER <u>50.54Q review SAME AS DONE FOR PCAF # 2003-1144</u>	<u>[Signature]</u>	<u>3/18/2003</u>

\* Required for changes that affect, or have potential for affecting core reactivity, nuclear fuel, core power level indication or impact the thermal power heat balance. <sup>(58)</sup>

\*\* Required for changes to Section XI Inservice Test Acceptance Criteria.

**RADIATION PROTECTION COORDINATOR (RPC):**

Emergency Plan-Position  
Specific Procedure

- WHEN:** Technical Support Center (TSC) is activated
- HOW NOTIFIED:** Paged, phone backup
- REPORT TO:** TSC Emergency Director
- WHERE TO REPORT:** TSC

**OVERALL DUTY:**

Quantify and assess radiological conditions both on- and off-site, then recommend emergency classification and protective actions.

<b>MAJOR TASKS:</b>	<b>TAB:</b>	<b>REVISION:</b>
Obtain briefing on the emergency.	TAB A	3
Activate TSC Health Physics group and, if needed, request EOF activation.	TAB B	4
Make sure initial habitability is assessed.	TAB C	7
Take inventory of information required to analyze the radiological situation.	TAB D	5
Brief Emergency Director in the TSC on what you know about radiological conditions and Health Physics staff.	TAB E	1
Assess emergency classification and confirm or recommend changes to the Emergency Director.	TAB F	5
Assess and recommend protective actions to the Emergency Director.	TAB G	9
Communicate with DEP/BRP.	TAB H	4
Continue assessing radiological situation, updating Emergency Director, TSC staff, and Health Physics staff.	TAB I	8 9
Evaluate and approve emergency exposure extensions.	TAB J	3

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**MAJOR TASK:**

Continue assessing radiological situation, updating Emergency Director, TSC staff, and Health Physics staff.

**SPECIFIC TASKS:**

**HOW:**

1. Attend TSC briefing and provide radiological status.

1a. Give the status of the following items at the briefing:

- (1) Current radiological release status and Dose Projections.
- (2) Current and forecast weather conditions.
- (3) Oscar locations, current radiological information, and Real Time Monitoring System data.
- (4) In-plant radiological conditions.
- (5) Protective action(s) implemented or under consideration.

(6) Provide recommendations for actions to be taken to mitigate the effects of any release, for example

- Initiate water spray to provide for Iodine scrubbing.
- Temporary coverings over blowout panels
- Fire hose water spray to quench steam

2. Periodically brief Health Physics staff and receive updates from them.

**HELP**

**TSC Rad Staff Responsibilities  
See TAB 9**

3. Perform frequent on-going assessment of radiological situation both offsite and onsite.

4. Periodically perform general HP operation assessment.

4a. Verify form flows, board is being maintained, contamination controls in place, and that staffing is adequate.

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**SPECIFIC TASKS:**

**HOW:**

5. Provide information to Ops Coordinator on rad releases and projected doses to the public for use by Control Room personnel.

5a. Notify Operations Coordinator if doses at the EPB are projected to exceed 1 rem TEDE or 5 rem Thyroid CDE. Control Room needs radiological data to evaluate entry conditions and action levels for EOP procedures. These procedures require operator actions such as rapid depressurization based on projected doses.

**NOTE:**

**These procedures also require that projected doses be determined when containment venting is needed.**

5b. Discuss projection time with Ops Coordinator. (This may differ from the default projection time being used in the dose projection model.) Consider the following:

- (1) Prognosis of event.
- (2) Time to cooldown to <200 deg.
- (3) Duration & type of release.
- (4) Weather forecasts.
- (5) Protective measures already implemented.
- (6) Release pathway - possible filtration and/or monitoring.

6. Continue to evaluate the current PAR and recommend revising the PAR to the Emergency Director based on increasing dose levels.

**MAJOR TASK:**

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Evaluate and approve emergency exposure extensions.

**SPECIFIC TASKS:**

**HOW:**

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1. Approve emergency extensions.

**HELP**

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PPL Emergency Personnel Dose Assessment  
and PAR Guide  
See TAB 8

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**HELP**

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Emergency Exposure Extension  
See TAB 11

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2. Evaluate anticipated or actual  
emergency exposures.

**HELP**

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PPL Emergency Personnel Dose Assessment  
and PAR Guide  
See TAB 8

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- 2a. The Health Physics Specialist will consider the use of KI and issuance once approved.
- 2b. The Health Physics Specialist will evaluate emergency exposures prior to approval.
- 2c. The RPC shall assess emergency exposures which may have occurred in excess of station limits.