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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
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248 - 248 - ENVIRONMENTAL SAMPLE DIRECTOR
REMOVE MANUAL TABLE OF CONTENTS DATE: 01/16/2004
ADD MANUAL TABLE OF CONTENTS DATE: 03/31/2004
CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-248
ADD: PCAF 2004-1264 REV: N/A

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AO45

PROCEDURE CHANGE PROCESS FORM

1. PCAF NO. 2004-1267 | 2. PAGE 1 OF 7 | 3. PROC. NO. EP-PS-248 REV. 1

4. FORMS REVISED - E R 2 , - R , - R , - R , - R , - R , - R

5. PROCEDURE TITLE
Environmental Sampling Director:

6. REQUESTED CHANGE
 PERIODIC REVIEW NO YES
 INCORPORATE PCAFS NO YES # _____ # _____ # _____ # _____
 REVISION PCAF DELETION (CHECK ONE ONLY)

7. SUMMARY OF / REASON FOR CHANGE
Added guidance in Tab E concerning reporting of liquid Sample results

Continued

8. DETERMINE COMMITTEE REVIEW REQUIREMENTS
(Refer to Section 6.1.4)
PORC REVIEW REQ'D? NO YES

9. PORC MTG# N/A

BLOCKS 11 THRU 16 ARE ON PAGE 2 OF FORM

17. T.C. Dalpiaz / 3227 / 01/30/2004
PREPARER ETN DATE
(Print or Type)

18. COMMUNICATION OF CHANGE REQUIRED?
 NO YES (TYPE) _____

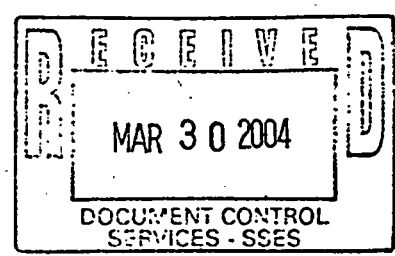
19. Richard Dalpiaz 2/4/04
RESPONSIBLE SUPERVISOR DATE

SIGNATURE ATTESTS THAT RESPONSIBLE SUPERVISOR HAS CONDUCTED QADR AND TECHNICAL REVIEW UNLESS OTHERWISE DOCUMENTED IN BLOCK 16 OR ATTACHED REVIEW FORMS. CROSS DISCIPLINE REVIEW (IF REQUIRED) HAS BEEN COMPLETED BY SIGNATURE IN BLOCK 16 OR ATTACHED REVIEW FORMS.

20. [Signature] 3/29/04
FUM APPROVAL DATE

21. RESPONSIBLE APPROVER
N/A _____
INITIALS DATE

ENTER N/A IF FUM HAS APPROVAL AUTHORITY



PROCEDURE CHANGE PROCESS FORM

1. PCAF NO. 2004-1264 | 2. PAGE 2 OF 7 | 3. PROC. NO. EP-PS-248 REV. 1

11. This question documents the outcome of the 50.59 and 72.48 Review required by NDAP-QA-0726. Either 11a or b 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 requires a 50.59/72.48 Applicability/Screen/Evaluation. (Attach if not previously issued). YES N/A
- Reference Applicability/Screening/Evaluation No. A-01-1543
12. This change is consistent with the FSAR or an FSAR change is required. YES
Change Request No. _____
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. 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	_____	_____
REACTOR ENGINEERING/NUCLEAR FUELS *	_____	_____
ISI **	_____	_____
OPERATIONS	_____	_____
STATION ENGINEERING	_____	_____
EMERGENCY PLANNING	<u>J. D. Laegre</u>	<u>3/30/04</u>
MAINTENANCE	_____	_____
RADIATION PROTECTION	_____	_____
NUCLEAR MODIFICATIONS	_____	_____
NUCLEAR DESIGN	_____	_____
CHEMISTRY	_____	_____
OTHER <u>10 CFR 50.54Q</u>	<u>J. D. Laegre</u>	<u>3/30/04</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. ⁽⁵⁸⁾
- Required for changes to Section XI Inservice Test Acceptance Criteria.

ENVIRONMENTAL SAMPLING DIRECTOR: Emergency-Plan-Position-Specific Instruction

WHEN: Activation of the Emergency Operations Facility
HOW NOTIFIED: Paged/Telephone
REPORT TO: Dose Assessment Supervisor
WHERE TO REPORT: Emergency Operations Facility

OVERALL DUTY:

Direct emergency environmental field monitoring efforts to determine the significance of airborne and liquid releases.

MAJOR TASKS:	TAB:	REVISION:
Initial actions upon arrival	TAB A	0
Monitoring of <u>affected</u> sectors following an airborne release	TAB B	1
Monitoring of <u>non-affected</u> sectors following an airborne release	TAB C	1
Obtaining additional environmental sampling support	TAB D	0
Management of Environmental Sampling Field Teams in monitoring of unusual liquid release	TAB E	1
Analysis and disposition of emergency environmental samples	TAB F	1

MAJOR TASK:

Management of Environmental Sampling Field Teams in monitoring of Unusual liquid releases.

SPECIFIC TASKS:

HOW:

1. Initiate sampling of the Susquehanna River and Danville drinking water supply.

NOTE:

If an airborne release is occurring, do not attempt to sample affected areas of the river to monitor liquid release progress.

If an airborne release occurred previously, determine if the river and Danville Water Authority are in the affected sectors. If in the affected sectors, sampling team(s) may be dispatched if deposition levels in area traversed are below $4.5E^{-2}\mu\text{Ci}/\text{m}^2$.

If deposition levels are between $4.5E^{-2}\mu\text{Ci}/\text{m}^2$ and $4.5E^{-1}\mu\text{Ci}/\text{m}^2$, sampling team personnel must be accompanied by Radiological Monitoring Team personnel.

DO NOT DISPATCH Monitoring Team personnel to traverse areas with deposition at or above $4.5E^{-1}\mu\text{Ci}/\text{m}^2$ without permission from the DASU.

- 1a. Ensure team members sign in on RWP #8002 for field team activities.
- 1b. Sample the river to monitor progress of the release and to determine actual radionuclide levels at Danville Water Authority.

SPECIFIC TASKS:

HOW:

- 1c. If no airborne release is occurring or has occurred, contact the SSES Environmental Laboratory Project Director and request environmental samplers to monitor liquid release.
- 1d. Using the river depth, reference Table 1 in "HELP" Tab to estimate transit time to Danville for leading edge of the release.

HELP

Liquid Discharge Data Sheets

See TAB 8

- 1e. Use the arrival time as a guide for dispatch of the sampling team to Danville Water Authority, consulting with the DASU where to sample. (Immediately go to the Water Authority or sample prior to it.)

NOTE:

Time permitting, water may be sampled from one or more of the bridges located downstream of the SSES discharge line but upriver from Danville.

The following approximate transit times for releases to these bridges are expressed as fractions of the travel time to Danville:

- * 1/5 to Berwick
- * 1/3 to Mifflinville
- * 2/3 to East Bloomsburg
- * 3/4 to Catawissa

Determine if sufficient time remains before the trailing edge of the plume passes the monitoring location for obtaining samples.

River water analysis results are not used in liquid release calculations.

SPECIFIC TASKS:

HOW:

HELP

**Environmental Sampling Locations
See TAB 2**

2. Direct samplers to obtain water samples from the Danville Water Authority.

2a. Obtain three two gallon grab samples of water from the Radiation Monitor sink drain line, (location 12 H2R), at the following estimated arrival times:

- 1) Leading edge of the release
- 2) Peak concentration of the release
- 3) Trailing edge of the release.

NOTE:

If the sample cannot be obtained from the sink drain line, collect one from the alternate location, (Pa. Fish Commission Boat Ramp at Danville), using a boat to sample midstream.

3. Log information on the "Emergency Environmental Monitoring Sample Log" where applicable.

3a. Record on the form:

1. Team(s) sample numbers
2. Sample types
3. Location codes

NOTE:

The sample numbers will be whole number integers that will be assigned sequentially based on the order in which samples are obtained, beginning with 1 for the first.

HELP

**Emergency Environmental Monitoring
Records
See TAB 4**

SPECIFIC TASKS:

HOW:

4. Direct samplers to return samples to the Administrative Coordinator at the SSES Environmental Laboratory, (unless an airborne release has occurred or one is imminent).

NOTE:

If an airborne release affecting the Environmental Laboratory is in progress or expected soon, direct the samplers to take samples to the appropriate county decontamination center.

HELP

County Decontamination Facility
Locations
See TAB 3

5. Notify the DASU of the sample results particularly if the diluted sum of the EC fractions at Danville exceeds 0.85.

PCAF