



PECO NUCLEAR

A Unit of PECO Energy

10CFR50, Appendix E

PECO Energy Company
200 Exelon Way
Kennett Square, PA 19348

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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: Peach Bottom Atomic Power Station, Units 2 & 3
Emergency Response Procedure Revisions

Dear Sir/Madam:

Enclosed are the following procedure revisions to the Emergency Response Procedures (ERPs) for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The procedures are required to be submitted within thirty (30) days of their revision in accordance with 10CFR50, Appendix E, and 10CFR50.4.

- ERP-340, Appendix 1, Revision 5, "Field Survey Data Sheet"
- ERP-301, Revision 4, "Dose Assessment Coordinator (DAC)"

Also, enclosed is a copy of a computer generated report index identifying the latest revisions of the PBAPS ERPs.

If you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

James A. Hutton
Director - Licensing

Attachments

cc: H. J. Miller, Administrator, Region I, USNRC (2 copies)
A. C. McMurtray, USNRC Senior Resident Inspector, PBAPS

A045

PECO NUCLEAR
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY RESPONSE PROCEDURE

ERP-301 DOSE ASSESSMENT COORDINATOR (DAC)

1.0 RESPONSIBILITIES

- 1.1 Coordinating the dissemination of dose assessment and field survey information in the Technical Support Center (TSC).
- 1.2 Assisting the Emergency Director (ED) in the determination of protective action recommendations (PARs) based on dose projections.
- 1.3 Dispatching field survey teams.
- 1.4 Performing dose assessment calculations on radiological releases utilizing Mesorem, per ERP-315.
- 1.5 Supporting the EOF Dose Assessment Team Leader (DATL) as needed.

2.0 INITIAL ACTIONS

- 2.1 Upon notification of an Alert or higher classification:
 - 2.1.1 Report to the TSC and sign in.
 - 2.1.2 Activate the dose assessment computer per ERP-315, "Operation of the Computer Dose Assessment System."
 - 2.1.3 Establish a log of dose assessment and field survey activities.
 - 2.1.4 Contact Shift Dose Assessment Personnel (SDAP) and/or use the Plant Monitoring System (PMS) to obtain the current data as follows:
 - 2.1.4.1 Meteorology (wind speed, direction, stability class)
 - 2.1.4.2 Dose ratio
 - 2.1.4.3 Effluent source and release rate
 - 2.1.4.4 Projected maximum ground level exposure rate
 - 2.1.4.5 Projected plume characteristics and arrival times

- 2.1.5 Discuss whether the SDAP should remain in the control room or proceed to the TSC.
- 2.1.6 Perform dose assessment calculations on radiological releases per ERP-315, utilizing current plant and meteorological data.

NOTE:

FIELD SURVEY STAFF SHOULD INITIALLY CONSIST OF ONE (1) HEALTH PHYSICS (HP) TECHNICIAN AND ONE (1) DRIVER PROVIDING FOR THE FORMATION OF ONE FIELD SURVEY TEAM FOR SITE BOUNDARY SURVEY. IF ADDITIONAL HP SUPPORT IS WARRANTED, (I.E., A RELEASE IS IN PROGRESS OR IMMINENT) OBTAIN ADDITIONAL HP SUPPORT THROUGH THE HEALTH PHYSICS TEAM LEADER (HPTL). ADDITIONAL DRIVERS CAN BE CONTACTED THROUGH THE MAINTENANCE I & C SUPERVISOR.

- 2.2 As Field Survey Group members (FSGM) arrive:

NOTE:

THERE IS NO REQUIREMENT THAT A FIELD SURVEY TEAM BE COMPOSED OF A DRIVER AND A HP TECHNICIAN. DEPENDING ON STAFFING CONDITIONS, IT MAY BE NECESSARY FOR A HP TECHNICIAN TO PERFORM BOTH FUNCTIONS.

- 2.2.1 Assign members to Field Survey Teams, each consisting of one driver and one health physics technician.
- 2.2.2 Ensure Field Survey Group Members (FSGMs) complete vehicle and survey kit checks per ERP-340.
- 2.2.3 As staffing permits, assign a FSGM to act as status board keeper for the dose assessment/field survey status board.

NOTE:

CONSIDER THE FOLLOWING OBJECTIVES IN DEPLOYMENT OF FIELD SURVEY TEAMS:

- a. CONFIRMATION OF DOSE PROJECTIONS
- b. CONFIRMATION OF PLUME DIRECTION AND SPEED
- c. CONFIRMATION OF PLUME DISPERSION
- d. MINIMIZATION OF FIELD SURVEY TEAM MEMBER EXPOSURES

- 2.3 In preparation for deployment of Field Survey Teams and development of an overall sampling plan:

- 2.3.1 Select the proper X/Q overlay and mount it on the vertical offsite map oriented in the current wind direction.
- 2.3.2 Mark or highlight the pre-established sample locations that intersect the projected plume trajectory.
- 2.3.3 Determine the number of Field Survey Teams to be initially deployed.
- 2.3.4 Select appropriate initial deployment points for each Field Survey Team.
- 2.3.5 Plan routing for Field Survey Team to each sample point, considering avoidance of the potential plume.

* CAUTION *
*
* THE EXPOSURE OF THE FIELD SURVEY GROUP MEMBERS SHOULD *
* BE LIMITED TO NORMAL STATION DOSE CONTROL LIMITS. *
* EXPOSURE EXCEEDING THESE LIMITS SHALL BE AUTHORIZED IN *
* ACCORDANCE WITH ERP-670, "EMERGENCY RADIATION EXPOSURE *
* GUIDELINES AND CONTROLS". NO MORE THAN 3000 MREM *
* WITHOUT EMERGENCY DOSE EXTENSION. NO MORE THAN 5 REM *
* WITHOUT AN EMERGENCY EXPOSURE AUTHORIZATION. *

- 2.3.6 Contact the Health Physics Team Leader (HPTL) for dose extension/emergency exposure authorization, dosimetry requirements and protective measures to be used by Field Survey Group members performing field surveys.
- 2.4 Conduct a briefing with each Field Survey Team immediately prior to initial deployment using attachment titled "Field Survey Briefing Guide".
- 2.5 Direct Field Survey Teams to remain in low background radiation areas between surveys and while counting any air samples or ground contamination wipes.
- 2.6 Deploy teams, as directed, in accordance with the sampling plan developed in 2.3.
- 2.7 Advise the ED of status of field teams and offsite dose projections.

3.0 CONTINUING ACTIONS

- 3.1 Discuss the status of dose projections with the SDAP.
- 3.2 Track incoming field survey data by completing attachment titled, "Field Survey Data Sheet".

3.3 Ensure current data is posted on dose assessment/field survey status board.

3.4 IF field survey data indicates iodine concentration > 2.6N6 uCi/cc
THEN immediately notify the ED.

3.5 IF offsite dose or dose projections indicate

a. > 1000 mrem TPARD

OR

b. > 5000 mrem child thyroid CDE

THEN immediately notify the ED.

NOTE:

ERP-301 ATTACHMENT TITLED "PROTECTIVE ACTION RECOMMENDATION WORKSHEET" IS USED TO DEVELOP A PAR BASED ON DOSE PROJECTIONS ONLY. PAR NOTIFICATION TO STATES SHALL BE MADE USING THE WORKSHEET IN ERP-200.

3.6 IF conditions exist that indicate a PAG may be exceeded at the 10 mile EPZ boundary or field survey measurements identify that a PAG is exceeded outside of the 10 mile EPZ boundary,
THEN include a PAR based on best information from all sources for areas outside of the 10 mile EPZ on ERP-301, Attachment 5, "Protective Action Recommendation Worksheet".

3.7 IF a general emergency is declared
AND the EOF has not taken over dose assessment
THEN:

3.7.1 Develop a protective action recommendation based on dose projections using attachment titled "Protective Action Recommendation Worksheet."

3.7.2 Advise the ED of the PAR based on dose projections.

3.8 Compare field survey results with dose projections and resolve any inconsistencies.

NOTE:

TRANSFER OF DOSE ASSESSMENT RESPONSIBILITY FROM THE STATION TO THE EOF SHOULD BE PERFORMED UPON AGREEMENT OF BOTH DOSE ASSESSMENT ORGANIZATIONS. EOF DOSE ASSESSMENT STAFFS AT THE ALERT LEVEL AND CAN ACTIVATE INDEPENDENT OF THE EOF IN ORDER TO ASSUME DOSE ASSESSMENT RESPONSIBILITIES AS PROMPTLY AS POSSIBLE.

- 3.9 IF dose assessment has been transferred to the TSC
AND the EOF is ready to take over dose assessment
THEN turn over dose assessment to the EOF using attachment
titled "Dose Assessment Turnover Sheet"
- 3.10 IF dose assessment has not been transferred to the TSC
AND the EOF is ready to take over dose assessment
THEN ensure SDAP completes turnover to the EOF
- 3.11 WHEN the EOF is ready to take over field survey
THEN turn over field survey to the EOF FSGL using
attachment titled, "Field Survey Turnover Sheet".
AND ensure field teams are advised of turnover
- 3.12 Once dose assessment and field survey have been turned over
to the EOF:
- 3.12.1 Advise the ED that turnover has occurred.
 - 3.12.2 Communicate changes in plant conditions to the
DATL.
 - 3.12.3 Periodically obtain updated dose projection and
field survey information from the EOF.
 - 3.12.4 Assist the EOF in evaluating the release path and
assessing radiological conditions as requested.
 - 3.12.5 Provide current radiological information to the ED
as requested.
- 3.13 IF requested by the FSGL or DATL to evaluate issuance of
potassium iodide to field survey teams,
THEN perform actions in accordance with ERP-680, "Control
of Thyroid Blocking Potassium Iodide (KI) Tablets".

4.0 FINAL ACTIONS

WHEN directed by the ED that the TSC is to be deactivated
THEN:

- 4.1 Compile all paperwork and submit to the TSC Emergency
Preparedness Coordinator
- 4.2 Return all equipment to its initial status.

5.0 ATTACHMENTS AND APPENDICES

- 5.1 Attachment 1 - "Field Survey Briefing Guide"
- 5.2 Attachment 2 - "Dose Assessment Turnover Sheet"
- 5.3 Attachment 3 - "Field Survey Turnover Sheet"
- 5.4 Attachment 4 - "Field Survey Data Sheet"

5.5 Attachment 5 - "Protective Action Recommendation Worksheet"

6.0 SUPPORTING INFORMATION

6.1 PURPOSE

- 6.1.1 To identify the activities of the DAC and interfaces with other emergency response team personnel.

6.2 CRITERIA FOR USE

- 6.2.1 An Alert or higher level emergency has been declared.

6.3 SPECIAL EQUIPMENT

- 6.3.1 None

6.4 REFERENCES

- 6.4.1 ERP-200, "Emergency Director (ED)"
- 6.4.2 ERP-315, "Operation of Computer Dose Assessment System"
- 6.4.3 ERP-340, "Field Survey Group"
- 6.4.4 ERP-670, "Emergency Radiation Exposure Guidelines and Controls"
- 6.4.5 ERP-680, "Control of Thyroid Blocking Potassium Iodide (KI) Tablets"

6.5 COMMITMENT ANNOTATION

- 6.5.1 None

ATTACHMENT 1

FIELD SURVEY BRIEFING GUIDE

1. TEAM CHECK OUT (FOR EACH TEAM)	TEAM	TEAM	TEAM	TEAM
Team Identification Code (Color)				
Survey Equipment Operation				
Radio Check Satisfactory				
Protective Clothing Available				
Electronic Dosimeter				
TLD				
Backup Phone TSC <u>ext. 4645</u> EOF 610-380-3847				
Vehicle Checked Out				
Fuel Level SAT.				
2. TEAM BRIEFING (FOR EACH TEAM)	TEAM	TEAM	TEAM	TEAM
Duties/Responsibilities				
Exposure Limits				
Plant Conditions/Emergency Classification				
Meteorological Data				
Release Rate				
Plume Boundaries				
Dose Projections				
Initial Deployment Location				

Initial/Date

ATTACHMENT 2

DOSE ASSESSMENT TURNOVER SHEET

Turnover of dose assessment responsibility from one Dose Assessment team/location to another Dose Assessment team/location should include the transmittal of any available information listed below:

1. Time of reactor trip/scram _____
2. Plant Status _____
3. Release Point _____
4. Start time of release _____
5. Estimated duration of release _____
6. Method(s) used to calculate doses ___ Auto-A ___ Fast-A ___ Mode A
7. Design Basis Accident _____
8. Site evacuation assembly area _____
9. Results of dose calculations, based on dose projection,
Protective Action Recommendation.

10. Field Survey Group Leader turnover complete? (Y/N) _____

Completed By

Date/Time

ATTACHMENT 3

FIELD SURVEY TURNOVER SHEET

DATE/TIME

1. Were teams requested? Y or N _____
2. Team Status

Team Color	Team Members	Current Exposure	DAC/ Hours	Location	Checklist Complete
BLUE					
GREEN					
RED					
YELLOW					

3. Release in progress? Y or N _____

4. Current meteorological date:

Time: _____

Windspeed: _____

Direction: From _____ To _____

Stability Class: _____

5. Dose Ratio: _____

6. Comments: _____

ATTACHMENT 4

FIELD SURVEY DATA SHEET

NOTE

FIELD SURVEY TEAM SURVEYS/SAMPLES CRITERIA MAY BE MODIFIED USING YOUR DISCRETION BASED ON ACCIDENT CONDITIONS.

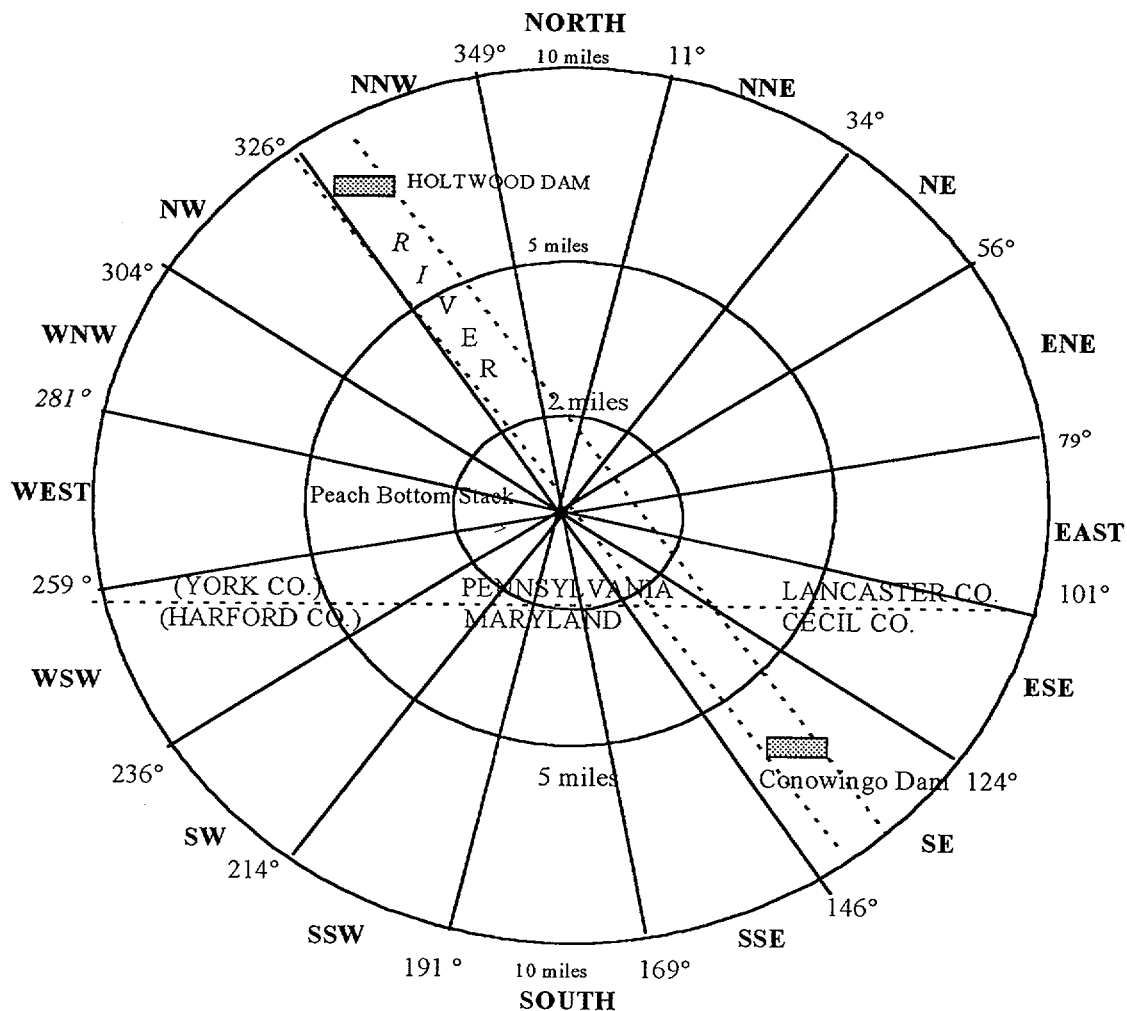
NAME: _____
LOCATION: TSC OR EOF
DATE: _____

[illegible]

ATTACHMENT 5
PROTECTIVE ACTION RECOMMENDATION WORKSHEET

PAR DATA:	_____ Plant Status (based on ERP-101, table _____) _____ Dose Projection (based on MESOREM run _____, _____ <div style="text-align: right;">Time _____ Date _____</div>
METEOROLOGICAL DATA:	Wind Direction "from" instrumentation _____ degrees Windspeed _____ mph Wind Direction "to" +/- 180 = _____ degrees

PAR SECTORS: AREA	SHELTER	EVACUATE	NO ACTION
0-2 miles			
2-5 miles			
5-10 miles			
>10 miles			



	PERSON NOTIFIED	TIME	DATE
PENNSYLVANIA BRP (Ext. 236 or 239)			
MARYLAND MDE (Ext. 235 or 292)			

Effective Date:

8/29/00

ERP-340, APPENDIX 1

Rev 5

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MES/mes

FIELD SURVEY DATA SHEET

I. INSTRUMENT DATA

NOTE:

ION CHAMBERS SHOULD BE USED ABOVE 2 MR/HR. GM DETECTORS SHOULD BE USED BELOW 2 MR/HR.

Instrument Type				
Serial Number				
Calibration Due Date				
Battery Check (OK)				
Source Response (Sat/Unsat)				

II. TEAM EXPOSURE

PLUME TRAVERSE	LOCATION	DOSE RATE (MR/HR)
Starting Point		
Highest Point		
End Point		

Field Survey Driver Exposure _____ HP Exposure _____

Iodine DAC - hr = $\frac{(\#7) \mu\text{Ci/cc} \times \text{hours spent in plume} + \text{Previous DAC - hr}}{2N8}$

CAUTION

IF TEAM IODINE DAC - HR EXCEEDS 850, NOTIFY FSGL/DAC IMMEDIATELY.

AIR SAMPLE CALCULATION CONVERSION FACTOR BASIS

- A. Instrument Efficiency for I-131 = .15% cpm/dpm
- B. Collection Efficiency = 96%
- C. Conversion Factor cc. to ft.³ = 2.832P4 cc/ft.³
- D. Conversion Factor dpm to μCi = 2.22P6 dpm/ μCi

FIELD SURVEY DATA SHEET

III. FIELD DATA

NOTE:

FULL SAMPLE/SURVEY IS REQUIRED FOR EACH SAMPLE LOCATION UNLESS OTHERWISE DIRECTED BY FIELD SURVEY GROUP LEADER. TRANSMIT NUMBERED ITEMS AND OTHER DATA AS REQUESTED WITHOUT STATING UNITS.

1. Survey Number _____
2. Survey Location _____
3. Survey Time _____

Radiation Measurement

4. Open Window Reading (waist high) _____ mR/hr
5. Closed Window Reading (waist high) _____ mR/hr

Contamination Measurement

<u>6a.</u>	<u>6b.</u>	<u>Smear Location</u>
_____ cpm	_____ mRad/Hr	_____
_____ cpm	_____ mRad/Hr	_____
_____ cpm	_____ mRad/Hr	_____
_____ cpm	_____ mRad/Hr	_____

Air Sample Measurement

Time On _____ Background reading _____ cpm
Time Off _____ Filter only reading _____ cpm
Volume _____ cu. ft. Iodine Cartridge w/o filter _____ cpm
(12 cu. ft. or as directed)

7. _____ $\mu\text{Ci/cc} = \frac{\text{NET CPM (Iodine Cartridge CPM - Background CPM)}}{[\text{Sample Volume (cu. ft.)}] \left[\text{conversion factor } 9.05\text{p7} \frac{\text{cpm-cc}}{\text{cu.ft.- } \mu\text{Ci}} \right]}$
8. _____ $\text{mR/hr} = (\#7) \mu\text{Ci/cc} \times 1.94\text{p9} \frac{\text{mR/hr}}{\mu\text{Ci/cc}}$
9. _____ $\text{TEDE/hr} = (\#5) \text{mR/hr} + (\#8) \text{mR/hr}.$

CAUTION

IF STEP #5 OR #8 OR #9 EXCEEDS 100 MR/HR, NOTIFY FSGL/DAC IMMEDIATELY.

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-C-1000	0005	EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION/DEACTIVATION	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-1	0002	EOF ACTIVATION CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-2	0003	EOF DEACTIVATION CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-3	0000	EOF BUSINESS HOURS FIRST RESPONDER CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-4	0000	EOF AFTER HOURS FIRST RESPONDER CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1100	0003	EOF STAFF AUGMENTATION- CANCELLED - REPLACED BY ERP-C-1250	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1200	0009	EMERGENCY RESPONSE MANAGER	04/03/00	PWE	
PB	PROC	ERP	ERP-C-1200-1	0000	EMERGENCY RESPONSE MANAGER TURNOVER/BRIEFING FORM	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1200-2 EXH	0000	PROTECTIVE ACTION RECOMMENDATION WORKSHEET CANCELLED REPLACED BY ERP-C-1200	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1200-3	0000	ERM PAR DELIVERY CHECKLIST	04/03/00	PWE	
PB	PROC	ERP	ERP-C-1210	0002	ASSISTANT EMERGENCY RESPONSE MANAGER (AERM) CANCELLED - REPLACED BY ERP-C-1200	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1250	0003	EMERGENCY PREPAREDNESS COORDINATOR/EOF	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1250-1	0000	EMERGENCY POWER INSTRUCTIONS	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1250-2	0001	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR ASPEN BACKUP NOTIFICATION SYSTEM	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1250-3	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP STAFFING	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1250-4	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR SYSTEM RESET	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1300	0010	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER	08/31/00	PWE	
PB	PROC	ERP	ERP-C-1300-1	0003	DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS	04/04/00	PWE	
PB	PROC	ERP	ERP-C-1300-2	0000	DOSE ASSESSMENT TURNOVER LIST	09/23/94	PWE	
PB	PROC	ERP	ERP-C-1300-3	0003	PROTECTIVE ACTION RECOMMENDATION WORKSHEET	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1300-4	0000	OFFSITE SAMPLE ANALYSIS REQUESTS	09/23/94	PWE	
PB	PROC	ERP	ERP-C-1300-5	0001	DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS (PARS)	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1300-6	0001	DOSE ASSESSMENT GROUP INITIAL ACTIONS	04/10/98	PWE	
PB	PROC	ERP	ERP-C-1300-7	0000	OBTAINING EPDS MET/RAD DATA	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1300-8	0000	USE OF MODE A/MODE B OF CDM	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1300-9	0001	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE	09/12/97	PWE	
PB	PROC	ERP	ERP-C-1310	0003	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT GROUP - CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-2	0000	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED - REPLACED BY ERP-C-1300	03/24/97	PWE	
PB	PROC	ERP	ERP-C-1310-3	0000	OBTAINING EPDS MET/RAD DATA - CANCELLED - NO REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-4	0000	USE OF MODE A/MODE B OF CDM CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1320	0007	EMERGENCY OPERATIONS FACILITY (EOF) FIELD SURVEY GROUP LEADER	08/31/00	PWE	
PB	PROC	ERP	ERP-C-1320-1	0002	FIELD SURVEY GROUP LEADER INITIAL ACTIONS	04/10/98	PWE	
PB	PROC	ERP	ERP-C-1320-2	0001	FIELD SURVEY GROUP LEADER TURNOVER SHEET	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1320-3	0002	FIELD SURVEY GROUP LEADER DATA SHEET	08/31/00	PWE	
PB	PROC	ERP	ERP-C-1400	0004	ENGINEERING SUPPORT TEAM	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1400-1	0002	ENGINEERING SUPPORT TEAM CHECKLIST	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1410	0002	CORE DAMAGE ASSESSMENT	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-1	0000	RADIOLOGICAL DATA	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1410-2	0001	HYDROGEN CONCENTRATION DATA	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-3	0001	CONTAINMENT RADIATION MONITOR DATA	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-4	0000	METAL WATER REACTION - CANCELLED NO REPLACEMENT	09/09/98	PWE	

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-C-1410-5	0001	PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT VS. APPROXIMATE SOURCE AND DAMAGE ESTIMATE	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-6	0001	PROCEDURES FOR ESTIMATING FUEL DAMAGE BASED ON MEASURED I-131 AND XE-133 CONCENTRATIONS	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1500	0006	LOGISTICS SUPPORT TEAM	04/14/00	PWE	
PB	PROC	ERP	ERP-C-1500-1	0001	MESSAGE AND INFORMATION INSTRUCTIONS	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1500-2	0001	HELICOPTER LANDING INFORMATION	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1900	0004	RECOVERY PHASE IMPLEMENTATION	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-1	0000	RECOVERY PHASE IMPLEMENTATION FLOW CHART	06/28/93	PWE	
PB	PROC	ERP	ERP-C-1900-2	0002	PEACH BOTTOM ATOMIC POWER STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-3	0002	LIMERICK GENERATING STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-4	0002	RECOVERY PLAN OUTLINE	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-5	0002	ASSESSMENT CONSIDERATIONS	12/28/99	PWE	
PB	PROC	ERP	ERP-101	0022	CLASSIFICATION OF EMERGENCIES	08/15/00	PWE	
PB	PROC	ERP	ERP-110	0012	EMERGENCY NOTIFICATIONS	08/06/98	PWE	
PB	PROC	ERP	ERP-110 APP 1	0055	EMERGENCY NOTIFICATION TELEPHONE LIST	08/07/00	PWE	
PB	PROC	ERP	ERP-110 APP 2	0024	EMERGENCY CLASSIFICATION NOTIFICATION TELEPHONE LIST FOR A SITE EMERGENCY OR GENERAL EMERGENCY CANCELLED - REPLACED BY ERP-110 APPENDIX 1	07/21/93	PWE	
PB	PROC	ERP	ERP-120	0002	PARTIAL PLANT EVACUATION CANCELLED - REPLACED BY ERP-130 & GP-15	08/10/92	PWE	
PB	PROC	ERP	ERP-130	0014	SITE EVACUATION	02/16/00	PWE	
PB	PROC	ERP	ERP-140	0019	EMERGENCY RESPONSE ORGANIZATION (ERO) CALL OUT	03/04/99	PWE	
PB	PROC	ERP	ERP-140 APP 1	0019	AUTOMATED ERO ACTIVATION	08/06/98	PWE	
PB	PROC	ERP	ERP-140 APP 2	0022	ASPEN EMERGENCY MESSAGE CANCELLED - REPLACED BY ERP-110 APP 1	08/06/98	PWE	
PB	PROC	ERP	ERP-140 APP 3	0022	DOSE ASSESSMENT TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 4	0015	CHEMISTRY SAMPLING & ANALYSIS TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 5	0014	DAMAGE REPAIR TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 6	0013	SECURITY TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 7	0017	PERSONNEL SAFETY TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 8	0009	COMPANY CONSULTANTS AND CONTRACTORS CANCELLED - INCLUDED IN EMERGENCY TELEPHONE DIRECTORY	08/20/92	PWE	
PB	PROC	ERP	ERP-140 APP 9	0011	NEARBY PUBLIC AND INDUSTRIAL USERS OF DOWNSTREAM WATER CANCELLED - INCLUDED IN EMERGENCY TELEPHONE DIRECTORY	08/20/92	PWE	
PB	PROC	ERP	ERP-200	0016	EMERGENCY DIRECTOR (ED)	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 1	0003	EMERGENCY DIRECTOR CHECKLIST (MCR)	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 2	0004	EMERGENCY DIRECTOR CHECKLIST (TSC)	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 3	0004	EVENT NOTIFICATION FORM	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 4	0004	STATION PUBLIC ADDRESS ANNOUNCEMENTS	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 5	0003	PAR DEVELOPMENT AND ISSUANCE	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 6	0001	DOSE ASSESSMENT DATA SHEET	07/10/00	PWE	
PB	PROC	ERP	ERP-200 APP 7	0000	TURNOVER/BREIFING FORM	07/10/00	PWE	
PB	PROC	ERP	ERP-205	0008	EMERGENCY PREPAREDNESS COORDINATOR/TSC	06/20/00	PWE	
PB	PROC	ERP	ERP-206	0007	SUPPORT SERVICES GROUP	03/03/00	PWE	
PB	PROC	ERP	ERP-210	0000	TRIP TABLE COMMUNICATOR (TSC)	09/12/97	PWE	
PB	PROC	ERP	ERP-220	0006	OPERATIONS GROUP	10/05/95	PWE	

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FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-230	0016	OPERATIONS SUPPORT CENTER (OSC) ACTIVATION	10/07/98	PWE	
PB	PROC	ERP	ERP-230 APP 1	0001	PERSONNEL EXPOSURE LOG OPERATIONS SUPPORT CENTER (OSC) CANCELLED - NO REPLACEMENT	11/28/95	PWE	
PB	PROC	ERP	ERP-250	0011	TECHNICAL SUPPORT CENTER (TSC) ACTIVATION CANCELLED - NO REPLACEMENT	10/14/93		
PB	PROC	ERP	ERP-300	0007	DOSE ASSESSMENT TEAM LEADER (DATL) CANCELLED - NO REPLACEMENT	09/23/94	PWE	
PB	PROC	ERP	ERP-301	0004	DOSE ASSESSMENT COORDINATOR (DAC)	08/29/00	PWE	
PB	PROC	ERP	ERP-305	0004	DOSE ASSESSMENT GROUP LEADER (DAGL) CANCELLED - NO REPLACEMENT	03/12/93		
PB	PROC	ERP	ERP-306	0000	LIMERICK RESPONSE FOR SHIFT DOSE ASSESSMENT PERSONNEL (SDAP)	06/30/00	PWE	
PB	PROC	ERP	ERP-310	0007	DOSE ASSESSMENT GROUP CANCELLED - NO REPLACEMENT	09/23/94	PWE	
PB	PROC	ERP	ERP-315	0014	OPERATION OF THE DOSE ASSESSMENT COMPUTER	04/24/00	PWE	
PB	PROC	ERP	ERP-318	0001	LIQUID RELEASE DOSE CALCULATIONS AT DOWNSTREAM WATER INTAKE FACILITIES CANCELLED - REPLACED BY ERP-360	06/18/93		
PB	PROC	ERP	ERP-319	0001	LIQUID RELEASE DOSE CALCULATIONS FOR FISH INGESTION CANCELLED - REPLACED BY ERP-360	06/18/93		
PB	PROC	ERP	ERP-325	0005	SHIFT DOSE ASSESSMENT PERSONNEL	08/25/98	PWE	
PB	PROC	ERP	ERP-325 APP 1	0000	CANCELLED - REPLACED BY MESOREM PROGRAM	03/03/95	PWE	
PB	PROC	ERP	ERP-330	0009	FIELD SURVEY GROUP LEADER (FSGL) CANCELLED - NO REPLACEMENT	09/23/94	PWE	
PB	PROC	ERP	ERP-340	0006	FIELD SURVEY GROUP	03/19/97	PWE	
PB	PROC	ERP	ERP-340 APP 1	0005	FIELD SURVEY DATA SHEET	08/29/00	PWE	
PB	PROC	ERP	ERP-360	0000	RADIOACTIVE LIQUID RELEASE CANCELLED - REPLACED BY ERP-315	06/23/94		
PB	PROC	ERP	ERP-400	0006	CHEMISTRY TEAM LEADER (CTL)	01/20/00	PWE	
PB	PROC	ERP	ERP-410	0009	CHEMISTRY GROUP	04/30/98	PWE	
PB	PROC	ERP	ERP-410 APP 1	0000	CHEMISTRY SAMPLE CHECK-OFF LIST CANCELLED - REPLACED BY ERP-410	12/11/96	PWE	
PB	PROC	ERP	ERP-410 APP 2	0000	CHEMISTRY SAMPLE AND ANALYSIS LOG SHEET CANCELLED - REPLACED BY ERP-410	12/11/96	PWE	
PB	PROC	ERP	ERP-500	0010	SECURITY TEAM LEADER (STL)	04/24/00	PWE	
PB	PROC	ERP	ERP-510	0009	PERSONNEL ACCOUNTABILITY CANCELLED - NO REPLACEMENT	11/28/95	PWE	
PB	PROC	ERP	ERP-520	0005	SECURITY GROUP LEADERS	11/28/95	PWE	
PB	PROC	ERP	ERP-520 APP 1	0000	UNIT 1 PERSONNEL LOG CANCELLED - NO REPLACEMENT	11/28/95	PWE	
PB	PROC	ERP	ERP-600	0013	HEALTH PHYSICS TEAM LEADER (HPTL)	07/07/99	PWE	
PB	PROC	ERP	ERP-610	0004	FIRST AID/SEARCH AND RESCUE GROUP CANCELLED - NO REPLACEMENT	02/05/93		
PB	PROC	ERP	ERP-620	0011	HEALTH PHYSICS GROUP (HPG)	09/04/98	PWE	
PB	PROC	ERP	ERP-620 APP 1	0000	HABITABILITY STATUS LOG SHEET	11/05/93	PWE	101
PB	PROC	ERP	ERP-620 APP 2	0000	ARM STATUS LOG	11/05/93	PWE	100
PB	PROC	ERP	ERP-620 APP 3	0002	HEALTH PHYSICS BRIEFING GUIDE	09/04/98	PWE	
PB	PROC	ERP	ERP-620 APP 4	0000	ACCESS BRIEFING GUIDE CANCELLED - NO REPLACEMENT	05/08/96	PWE	
PB	PROC	ERP	ERP-630	0003	DOSIMETRY, BIOASSAY, AND RESPIRATORY PROTECTION GROUP CANCELLED - NO REPLACEMENT	03/18/93		
PB	PROC	ERP	ERP-640	0006	VEHICLE AND EVACUEE CONTROL GROUP	05/28/97	PWE	
PB	PROC	ERP	ERP-640 APP 1	0000	CONTAMINATED VEHICLE SURVEY FORM CANCELLED - NO REPLACEMENT	05/28/97	PWE	
PB	PROC	ERP	ERP-640 APP 2	0000	UNCONTAMINATED VEHICLE FORM CANCELLED - NO REPLACEMENT	05/28/97	PWE	
PB	PROC	ERP	ERP-650	0006	TRANSPORT OF CONTAMINATED INJURY OFF-SITE	11/27/96	PWE	
PB	PROC	ERP	ERP-660	0007	ENTRY FOR EMERGENCY REPAIR AND OPERATIONS CANCELLED - REPLACED BY ERP-620	07/11/94		
PB	PROC	ERP	ERP-670	0004	EMERGENCY RADIATION EXPOSURE GUIDELINES AND CONTROLS	12/11/96	PWE	
PB	PROC	ERP	ERP-680	0006	CONTROL OF THYROID BLOCKING POTASSIUM IODIDE (KI) TABLETS	02/20/97	PWE	
PB	PROC	ERP	ERP-680 APP 1	0001	POTASSIUM IODIDE WORKSHEET	02/20/97	PWE	
PB	PROC	ERP	ERP-680 APP 2	0000	POTASSIUM IODIDE CONSENT FORM	11/30/94	PWE	

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PB	PROC	ERP	ERP-680 APP 3	0001	INSTRUCTION AND RECORD SHEET FOR PERSONS RECEIVING KI	02/20/97	PWE	
PB	PROC	ERP	ERP-680 APP 4	0001	KI AUTHORIZATION	02/20/97	PWE	
PB	PROC	ERP	ERP-700	0009	TECHNICAL SUPPORT TEAM	11/02/98	PWE	
PB	PROC	ERP	ERP-710	0008	TECHNICAL SUPPORT GROUP CANCELLED - REPLACED BY ERP-700	11/02/98	PWE	
PB	PROC	ERP	ERP-800	0006	OPERATIONS SUPPORT CENTER DIRECTOR (OSC DIRECTOR)	10/07/98	PWE	
PB	PROC	ERP	ERP-810	0011	MAINTENANCE TEAM	07/07/99	PWE	

** END OF REPORT **