

10CFR50, Appendix E

PECO Energy Company Nuclear Group Headquarters 965 Chesterbrook Boulevard Wayne, PA 19087-5691

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Docket Nos. 50-277 50-278 50-352 50-353

License Nos. DPR-44 DPR-56 NPF-39 NPF-85

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

Subject: Limerick Generating Station, Units 1 & 2 Peach Bottom Atomic Power Station, Units 2 & 3 Common Nuclear Emergency Response Procedure Revision

Dear Sir/Madam:

Enclosed are the following procedure revisions to the Emergency Response Procedure (ERP) for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3, and Limerick Generating Station (LGS), Units 1 and 2. These procedures are required to be submitted within thirty (30) days of their revision in accordance with 10CFR50, Appendix E, and 10CFR50.4.

- ERP-C-1200, Revision 9, "Emergency Response Manager"
- ERP-C-1200-3, Revision 0, "ERM PAR Delivery Checklist"
- ERP-C-1300, Revision 9, "Dose Assessment Team Leader"
- ERP-C-1300-1, Revision 3, "Dose Assessment Team Leader Initial Actions"

Also enclosed are copies of computer generated report indexes identifying the latest revisions of the LGS and PBAPS ERPs.

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

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Øames A. Hutton Director - Licensing

Attachments

CC:

H. J. Miller, Administrator, Region I, USNRC (w/attachment, 2 copies)
 W. F. Kane, Director of Materials Safety & Safeguard, USNRC
 A. L. Burritt, USNRC Senior Resident Inspector, LGS (w/attachment)
 A. C. McMurtray, USNRC Senior Resident Inspector, PBAPS (w/attachment)

404

Effective Date:

ERP-C-1200 Rev. 9 Page 1 of 7 MES/mes

PECO NUCLEAR PEACH BOTTOM/LIMERICK EMERGENCY RESPONSE PROCEDURE

ERP-C-1200 EMERGENCY RESPONSE MANAGER

1.0 RESPONSIBILITIES

- 1.1 Emergency Response Manager (ERM)
 - 1.1.1 Manages activities of the Emergency Operations Facility (EOF).
 - 1.1.2 Maintains overall command and control of on-site and off-site Emergency Response Organizations (ERO's).
 - 1.1.3 Issues Protective Action Recommendations (PAR's) to off-site authorities (Non-delegable).
 - 1.1.4 Declares termination of the Emergency Phase and entry into the Recovery Phase (Non-delegable).
 - 1.1.5 Supervises activities of the AERM, Communicators, Emergency Preparedness Coordinator, Team Leaders.
 - 1.1.6 Coordinates with the Nuclear Regulatory Commission (NRC) and state representatives on technical matters.
 - 1.1.7 Coordinates with the Technical Support Center (TSC) on emergency response requirements and response requests.
 - 1.1.8 Supervise activities of Dose Assessment Team Leader (DATL) in determining radiological release, path and dose projections.
 - 1.1.9 Evaluates plant status and EALs in support of the Emergency Director (ED).
 - 1.1.10 Provides technical resource to Corporate Spokesperson and verifies technical content of press releases.
- 1.2 Assistant Emergency Response Manager (AERM)
 - 1.2.1 Reports to the ERM, provides assistance in all non-delegable responsibilities, and provides operational expertise.
 - 1.2.2 Manage the EOF when the ERM is not in the Main Room or temporarily unavailable.

ERP-C-1200, Rev. 9 Page 2 of 7

1.3 Communicators

1.3.1 Report to the ERM, monitor the ERM group telephones, maintain the ERM's log (calls, information known, decision making, EOF activities), facilitate message requests and review message status boards for accuracy.

2.0 INITIAL ACTIONS

NOTE: THE LISTED ACTIONS ARE PRESENTED AS GUIDANCE. ERM JUDGEMENT TAKES PRECEDENCE OVER EXECUTION AND SEQUENCE.

- 2.1 Upon arrival at the EOF:
 - 2.1.1 Check-in with, and show proper identification to the EOF access control personnel.
 - 2.1.2 Log in on the EOF staffing status board.
 - 2.1.3 Request a Communicator to start and maintain an Emergency Log, listing all significant actions, decisions, and communications, and their times.
 - 2.1.4 Request status of the EOF activation checklist.
 - 2.1.5 Establish communications within the EOF and between the other emergency response facilities.

NOTE: NOTIFICATION TO OFFSITE AGENCIES OF EMERGENCY DECLARATIONS REMAINS AN EMERGENCY DIRECTOR RESPONSIBILITY.

- 2.2 Contact the ED and obtain a briefing (use Exhibit ERP-C-1200-1, "ERM Turnover/Briefing Form").
- 2.3 Review status of information provided to governmental agencies with the ED, AND relieve the ED of responsibility for providing this information with the exception of declaration notifications when the EOF is activated.
- 2.4 Receive completed Exhibit ERP-C-1000-1, EOF Activation Checklist from EPC AND note deficiencies.

ERP-C-1200, Rev. 9 Page 3 of 7

- 2.5 Determine whether each EOF team listed below is prepared to perform their specific duties by consulting with their respective Team Leaders/Coordinators.
 - AERM and Communicators
 - Emergency Preparedness Coordinator (EPC)
 - Engineering Support Coordinator (ESC)
 - Logistics Support Coordinator (LSC)
 - Dose Assessment Team Leader (DATL)
- 2.6 Ensure that Dose Assessment Team Leader has received a turnover briefing from TSC AND that the EOF is ready to assume the Dose Assessment and Field Survey functions. Dose Assessment and Field Survey functions should be assumed as soon as possible and can occur prior to EOF activation.
 - NOTE: 1. THE EOF IS STAFFED AT THE ALERT CLASSIFICATION AND ACTIVATED WHEN, IN THE ED/ERM JUDGEMENT, SUFFICIENT PERSONNEL ARE FUNCTIONING TO SUPPORT CONTROL OF OVERALL EMERGENCY RESPONSE.
 - 2. THE EOF SHOULD BE DECLARED ACTIVATED WITHIN 60 MINUTES (1 HOUR) OF SITE AREA EMERGENCY DECLARATION OR HIGHER CLASSIFICATION.
- 2.7 WHEN in the judgment of the ERM sufficient personnel are prepared AND adequate equipment is operational to assume control of the emergency THEN Inform the ED and agree on the time to declare the EOF activated.
- 2.8 WHEN EOF is activated THEN Inform the Corporate Spokesperson that the EOF is activated, and the ERM is in control of the ERO.
 - 2.8.1 Announce over the EOF public address system that the EOF is activated, the ERM is in control of the ERO, and the names of the Coordinators/Team Leaders:
 - 2.8.2 Brief EOF staff on the current status of the emergency, priority of work items for EOF, priority and status of work items for plant.

3.0 CONTINUING ACTIONS

- 3.1 Manage EOF operations (including periodic briefings).
- 3.2 Maintain awareness of plant status and potential offsite consequences.
- 3.3 Maintain communications with the ED and monitor the status of responses to requests from the TSC.
- 3.4 Review press releases provided by Corporate Spokesperson prior to issuance. (Ref. 6.5.2)

NOTE: ACCORDING TO NRC INFORMATION NOTICE NO. 91-33, THE NRC IS PREPARED TO PROVIDE AN ANALYSIS OF PLANT CONDITIONS TO THE STATES DURING EMERGENCIES. USE OF THIS INFORMATION FOR DECISION MAKING BY STATE AGENCIES IS ON A VOLUNTARY BASIS.

- 3.5 Maintain awareness of NRC analysis of plant conditions as provided to the States.
- 3.6 Consider performing analysis of release to determine isotopic mix for input into Mesorem, Jr. Obtain updates on dose projections and field survey data from DATL.
- 3.7 Evaluate plant status, i.e., monitor plant parameters, fuel damage estimates, coolant boundary, containment integrity and offsite dose projections for assessment of plant conditions and inputs into PARs.

NOTE: PAR SHALL BE DELIVERED TO STATE(S) REPRESENTATIVE WITHIN 15 MINUTES OF GENERAL EMERGENCY DECLARATION.

- 3.8 IF General Emergency is declared, THEN determine PARs (Ref. 6.5.1)
 - 3.8.1 Obtain completed Part 1 of Exhibit ERP-C-1300-3 from DATL AND determine plant status PAR from ERP-101 in conjunction with ED AND enter on Part 2 of Exhibit ERP-C-1300-3, PAR Worksheet.
 - 3.8.2 Compare the recommendations AND enter determined PAR on Part 3 of Exhibit ERP-C-1300-3, PAR Worksheet.
 - 3.8.3 Review tasks in ERP-C-1200-3 "ERM PAR Delivery Checklist and provide PAR to Pennsylvania Senior State Official via telephone and Maryland representative in EOF by telephone. Background information may be discussed with state(s) representatives in the EOF.

ERP-C-1200, Rev. 9 Page 5 of 7

- 3.8.4 IF State(s) cannot be contacted Direct the ED to deliver PAR directly to counties, over notification circuit.
- 3.8.5 Provide completed copy of Exhibit ERP-C-1300-3, PAR Worksheet to State(s) representatives with each PAR.

NOTE: FOR PBAPS, ALSO PROVIDE TO MARYLAND THE CALCULATED ADULT THYROID EXPOSURE.

- 3.8.6 If NRC response team is available at the facility, discuss PAR's and plant status information provided to the states.
- 3.9 IF new data becomes available or conditions change THEN update PAR AND deliver to state(s).
- 3.10 IF a liquid release of radioactive material occurs, THEN direct ERM Communicator to contact downstream water users per EOF Emergency Phone List.
- 3.11 Ensure an event chronology, identifying all major plant occurrences and their effects is maintained.
- 3.12 Request periodic updates/discussions on response efforts coordinated by each EOF major functional area (Dose Assessment, Engineering, and Logistic Support).
- 3.13 Conduct scheduled periodic briefings every 30 60 min. for EOF personnel highlighting information from Exhibit ERP-C-1200-1, " ERM Turnover/Briefing Form" and/or utilizing the ERM briefing form.
- 3.14 Ensure adequate support of on-site response efforts.
- 3.15 Provide management direction for the establishment of priorities for engineering support.
- 3.16 Serve as primary contact for Federal, State, and local emergency response agencies.
- 3.17 Coordinate direction and processing of personnel/materials dispatched to the site through the LSC AND development of necessary Emergency Support Centers.
- 3.18 Inform ED and Corporate Spokesperson of actions taken.
- 3.19 Relay Fuel Damage Estimates provided by Engineering Support Coordinator to the ED.

4.0 FINAL CONDITIONS

4.1 Coordinate with the ED to determine when entry into the Recovery Phase (per ERP-C-1900) is warranted.

5.0 ATTACHMENTS AND APPENDICES

- 5.1 Exhibit ERP-C-1200-1, "Emergency Response Manager Turnover/Briefing Form"
- 5.3 Exhibit ERP-C-1200-3, "ERM PAR Delivery Checklist

6.0 SUPPORTING INFORMATION

6.1 PURPOSE

This procedure describes the responsibilities, authorities, reporting relationships, and general duties, of the ERM, AERM and Communicators in managing response to a declared emergency.

6.2 CRITERIA FOR USE

The decision/requirement to activate the EOF has been made by the "ED/ERM" or required by the emergency classification level.

6.3 SPECIAL EQUIPMENT

None

- 6.4 REFERENCES
 - 6.4.1 NUREG-0654, FEMA-REP-1 Rev. 1 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants".
 - 6.4.2 Nuclear Emergency Plan
 - 6.4.3 ERP-C-1000, "Emergency Operations Facility (EOF) Activation/Deactivation"
 - 6.4.4 ERP-C-1300, "EOF Dose Assessment Team Leader"
 - 6.4.5 ERP-C-1900, "Recovery Phase Implementation"
 - 6.4.6 ERP-101, (LGS & PBAPS) "Classification of Emergencies"
 - 6.4.7 ERP-200, (LGS & PBAPS) "Emergency Director"
 - 6.4.8 ERP-300, (LGS) "TSC\MCR Dose Assessment Team"

ERP-C-1200, Rev. 9 Page 7 of 7

6.4.9 NRC Information Notice No. 91-33: Reactor Safety Information for State during Exercise and Emergencies.

6.5 COMMITMENT ANNOTATION

- 6.5.1 EP Action Item Q0003171 (Step 3.7).
- 6.5.2 EP Action Item Q0003178 (Step 3.4).

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ERP-C-1200-3 Rev 0 Page 1 of 1 MES/mes

ERM PAR DELIVERY CHECKLIST

	Task	Done
1.	Confirm exact time and basis of General Emergency declaration with the Emergency Director (ED.)	
2.	Direct Dose Assessment Team Leader (DATL) to provide the PAR worksheet.	
3.	Review ERP-101 to confirm plant condition-based PAR.	
4.	 Complete PAR worksheet. Have about 6 copies made. 	
5.	 Make PA announcement of time of PAR meeting in ERM Conference Room. Name attendees including state representatives and NRC Director of Site Operations (DSO.) 	
6.	Direct the EP Coordinator to establish the telephone link with the Pennsylvania Senior State Official.	
7.	Bring PAR copies to meeting with state and NRC officials.	
8.	If time permits, inform NRC DSO of PAR prior to delivering it to state(s.)	
9.	 When meeting with state and NRC representatives, deliver PAR first. Provide additional details. Obtain repeat-back from Pennsylvania Senior State Official. 	
10.	After PAR meeting, call ED. Inform ED when PAR has been delivered. Describe to ED any state and NRC issues.	

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ERP-C-1300 Rev. 9 Page 1 of 12 MES/mes

PECO NUCLEAR PEACH BOTTOM/LIMERICK EMERGENCY RESPONSE PROCEDURE

ERP-C-1300

EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER

1.0 RESPONSIBILITIES

- 1.1 The Dose Assessment Team Leader (DATL) is responsible for:
 - 1.1.1 Designating an EOF Dose Assessment Lead (DAL) and coordinating and directing the activities of the EOF Dose Assessment Lead (DAL), the Field Survey Group Leader (FSGL), and the HP Support Liaison.
 - 1.1.2 Recommending to the Emergency Response Manager (ERM) Protective Action Recommendations (PAR's) based on dose projections.
 - 1.1.3 Recommending to the ERM administration of Potassium Iodide (KI) tablets to field teams.
 - 1.1.4 Technical liaison with offsite authorities (as directed by the ERM) in matters relating to Health Physics.
 - 1.1.5 Ensuring Engineering has assigned a dose assessment interface.
 - 1.1.6 Notifying the Dose Assessment Coordinator (DAC) and Shift Dose Assessment Personnel (SDAP) when able to assume dose assessment duties.
- 1.2 The Dose Assessment Lead is responsible for:
 - 1.2.1 Reporting to the Dose Assessment Team Leader (DATL).
 - 1.2.2 Reviewing results of calculations and providing results to DATL and Field Survey Group Leader (FSGL).
 - 1.2.3 Establishing contact with Engineering Dose Assessment Interface.
- 1.3 The Dose Assessment Group (DAG) is responsible for:
 - 1.3.1 Operating MESOREM in accordance with Emergency Response Procedures.

- 1.3.2 Obtaining necessary MESOREM input data from the Emergency Preparedness Data System (EPDS) including:
 - 1.3.2.1 Radiation readings, flow rates, and current meteorological information.
- 1.3.3 Performing Dose Assessment Calculations.
- 1.3.4 Reviewing results of calculations for accuracy and completeness.
- 1.4 The Health Physics Support Liaison (HPSL) is responsible for:
 - 1.4.1 Providing HP Support when directed by the DATL.

NRC WILL REQUEST INITIATION OF HPN COMMUNICATIONS

1.4.2 The HPSL is responsible for communicating on the Health Physics Network (HPN) to the NRC for dose projections.

2.0 INITIAL ACTIONS

- 2.1 DATL shall:
 - 2.1.1 Complete initial activation using Exhibit ERP-C-1300-1, "Dose Assessment Team Leader Initial Actions".

NOTE

AFTER TURNOVER, TSC DOSE ASSESSMENT COORDINATOR/ SHIFT DOSE ASSESSMENT PERSONNEL REMAIN AS A RESOURCE OF DOSE ASSESSMENT.

- 2.1.2 WHEN Emergency Response Manager, Emergency Director and Dose Assessment Team Leader concur that the EOF Dose Assessment Group is ready to assume control THEN inform the (TSC) Dose Assessment Coordinator and Shift Dose Assessment personnel that the EOF Dose Assessment Group is assuming dose assessment duties, and complete Exhibit ERP-C-1300-2, "Dose Assessment Turnover Sheet".
- 2.1.3 Review the results of all dose calculations.

2.1.3.1 IF MESOREM, Jr. EAL Summary provided is "Declare General Emergency" THEN inform ERM IMMEDIATELY.

NOTE

THE DATL SHOULD ALWAYS BE PREPARED WITH PAR SECTORS AND A SUGGESTED PAR FOR THE ERM BASED ON FIELD MEASUREMENT OR CALCULATIONS BASED ON RELEASE RATES. PAR BASIS IS DISCUSSED IN EXHIBIT ERP-C-1300-5, "DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS".

> 2.1.3.2 IF a General Emergency is declared, THEN determine dose assessment PAR, complete all information on Part 1 of Exhibit ERP-1300-3, "Protective Action Recommendation Worksheet", and forward to the ERM.

NOTE

FOR PBAPS, PROVIDE ADULT THYROID CDE TO ERM FOR THE STATE OF MARYLAND.

- A. IF changing met or rad conditions cause any information on a previously completed Exhibit ERP-C-1300-3, "Protective Action Recommendation Worksheet" to be incomplete or incorrect
 THEN complete a new Exhibit ERP-C-1300-3, "Protective Action Recommendation Worksheet" and forward to ERM.
- B. IF conditions exists that indicate a PAG is exceeded at the EPZ boundary or field survey measurements identify that a PAG is exceeded outside of the EPZ boundary,
 THEN include a PAR based on information from all sources for areas outside of the EPZ on ERP-C-1300-3, "Protective Action Recommendation Worksheet", and forward to the ERM.

THE FOLLOWING PROTECTIVE MEASURE SHOULD BE CONSIDERED AFTER RELEASE PATH SAMPLE OR FIELD DATA VERIFIES THE PRESENCE OF IODINE.

- 2.1.4 IF projected iodine deposition >0.13 μCi/m² (1.5 Rem thyroid ingestion dose) THEN request ERM to recommend to state(s) to shelter lactating animals and put them on stored feed and water.
- 2.1.5 IF radioactive liquid release has occurred THEN direct DAG to perform liquid dose calculations per site specific ERP-315 (PBAPS) or ERP-300-12 (LGS).
- 2.1.6 Stay informed of Field Survey Team evolutions.
- 2.1.7 Inform the Field Survey Group Leader of dose ratio value.

Dose Ratio value = <u>ExDE</u> + <u>CEDE</u> ExDE

NOTE

THE DOSE RATIO FROM MESOREM IS AN APPROXIMATION ONLY. GIVE THE STATE THE LARGEST DOSE RATIO FROM PAGE 1 OF MESOREM PRINTOUT WHEN A PAR IS ISSUED.

- 2.1.8 Provide release and meteorological data to Pennsylvania State representatives at EOF in 15 minute intervals. If affected site is Peach Bottom, also provide this data to Maryland State Representatives.
- 2.1.9 **IF** requested by the NRC **THEN** ensure that HP Support Liaison contacts the NRC via the HPN (CM-1).
- 2.2 DAL shall:
 - 2.2.1 Complete initial activation using Exhibit ERP-C-1300-6, "Dose Assessment Group Initial Actions".
 - 2.2.2 Obtain name of dose assessment interface from the ESC.

- 2.2.2.1 Contact dose assessment interface and obtain ERP-C-1400-1, Engineering Support Team Checklist.
- 2.2.3 Instruct DAG member to obtain data necessary to perform dose calculations.
 - 2.2.3.1 Consult Exhibit ERP-C-1300-7, "Obtaining Emergency Preparedness Data System Met/Rad Data" for instructions using the EPDS System.
 - 2.2.3.2 IF EPDS Met/Rad Data unavailable THEN request Met/Rad parameters from SDAP or TSC Dose Assessment Coordinator.
- 2.2.4 Discuss the following with the DAC or SDAP.
 - 2.2.4.1 Previous dose projections performed.
 - 2.2.4.2 Present readiness status of the Dose Assessment Group.

GUIDANCE IN USE OF MODE "A" VS. MODE "B" IS IN EXHIBIT ERP-C-1300-8, ONLY MODE "A" SHALL BE USED FOR EMERGENCY CLASSIFICATIONS.

> 2.2.5 Ensure that Dose Assessment System (DAS) computers and printers are operating and supplies are available.

NOTE

IF IN AUTOMODE "A", ALWAYS CHOOSE THE DEFAULT 15 MINUTE AVERAGE OPTION.

- 2.2.6 IF a radioactive airborne release in excess of Tech Spec allowable limits is in progress, THEN ensure performance of Class A/B dose projections using the DAS. IF NOT and drywell radiation levels are elevated THEN estimate potential release consequences using "Estimate Source Term" option of the DAS.
 - 2.2.6.1 Review the results of all dose projections for accuracy, timeliness and adequacy to include:

- A. Verification of source data,
- B. Verification of input to DAS,
- C. Evaluation of output of DAS,
- D. Correct DAS input based on resolution of discrepancies, if required.
- 2.2.6.2 Assure that dose projections are performed whenever radiological or meteorological conditions change.
- 2.2.7 Inform the FSGL of:
 - 2.2.7.1 Stability class.
 - 2.2.7.2 Magnitude of release.
 - 2.2.7.3 Wind speed and direction.
- 2.2.8 Using Exhibit ERP-C-1300-9, "Obtaining Met Data from National Weather Service", contact the National Weather Service, identify yourself, and request long range forecast.
- 2.3 Dose Assessment Group members shall:
 - 2.3.1 Perform initial setup:

DETAILED OPERATING INSTRUCTIONS ARE FOUND IN THE MESOREM JR. USERS MANUAL.

- 2.3.1.1 Logon to the DAS and select the affected site.
 - a. PASSWORD: EOF USERID: 333333
- 2.3.1.2 Post initial data on Dose Assessment Status Boards.
- 2.3.2 Review completion of activation steps using Exhibit ERP-C-1300-6, "Dose Assessment Group Initial Actions".
- 2.3.3 Run a dose projection to establish initial projection doses and plume touchdown location.

- 2.4 HP Support Liaison shall:
 - 2.4.1 Obtain briefing from the DATL.
 - 2.4.2 Contact the NRC via the HPN phone as requested by NRC.
- 3.0 CONTINUING ACTIONS
 - 3.1 Dose Assessment Team Leader shall:
 - 3.1.1 Coordinate with the FSGL to confirm dose projections using actual field data, and attempt to resolve any inconsistencies that may arise.
 - 3.1.1.1 IF informed by FSGL that offsite radioiodine concentrations 6.5×10^{-7} (PBAPS) >2.6 x 10^{-6} (LGS) μ Ci/cc exist THEN immediately inform ERM of General Emergency condition.
 - 3.1.1.2 IF offsite dose projections or dose indicates
 - a. Offsite Dose ≥1000 mRem or measured 250mR/hr (PBAPS) 1000mR/hr (LGS)
 - <u>OR</u>
 - b. Offsite Child Thyroid Committed Dose Equivalent <u>></u>5000 mRem

THEN immediately inform ERM of General Emergency condition.

- 3.1.2 Continue to evaluate plant and meteorological conditions and dose projections for their impact on:
 - 3.1.2.1 PAR's
 - 3.1.2.2 Emergency classification.
 - 3.1.2.3 Protective measures for the ingestion pathway.

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ONLY	USE MODE	"A"	FOR	DETERMINING	EAL/PAR.	
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- 3.1.3 Direct mode "B" calculations to evaluate for more realistic calculations based on variable conditions.
- 3.1.4 Periodically brief the ERM on status of Dose Assessment Team operations.
- 3.1.5 Periodically brief the FSGL and DAG on plant status and ongoing response efforts.
- 3.1.6 IF Field Survey Team member exceeds or is projected to exceed 950 DAC-hr Iodine THEN refer to Site Specific ERP-680 (PBAPS) or ERP-660 (LGS) for instructions AND inform the Dose Assessment Coordinator and ERM of request for KI administration.

POST ACCIDENT ENVIRONMENTAL SAMPLING IS A RECOVERY PHASE FUNCTION THAT WILL BE INITIATED IN CONJUNCTION WITH STATE EFFORTS.

- 3.1.7 Request the Chemistry Team Leader (TSC) to perform and analyze in-plant/on-site samples as needed. Consider performing analysis of release to determine isotopic mix for input into Mesorem, Jr.
- 3.1.8 **IF** offsite analysis is requested, contact off-site laboratories by referring to Exhibit ERP-C-1300-4, "Offsite Sample Analysis Requests".
 - 3.1.8.1 IF Pool Inventory Management Cask is necessary THEN coordinate request thru Logistics Support Coordinator (LSC).
- 3.1.9 **IF** site affected is Limerick <u>AND</u> Wide Range Accident Monitor (WRAM) data is not available **AND** North Stack sampling is limited by dose **THEN** request assistance from HPTL in performance of Estimation of Source Term using North Stack Dose Rate.

NOTE

ADVISE BRP AT (717) 787-2480 BEFORE REQUESTING OFFSITE SURVEY SUPPORT

3.1.10 **IF** necessary, contact Brookhaven National Laboratory at (516) 282-2200 and request offsite radiation survey support.

NOTE

EACH TRAIN OF SGTS HAS BEEN DESIGNED TO BE MORE THAN ADEQUATE FOR ABSORPTION OF ALL EXPECTED IODINE. FOR MORE INFORMATION, REFER TO PIMS EWR A0659758.

3.1.11 Consider loading capacity of SGTS filters for extended releases.

NOTE

THE FOLLOWING PROTECTIVE MEASURE SHOULD BE CONSIDERED ONLY AFTER FIELD SURVEY DATA IS RECEIVED AND VERIFIED TO CONTAIN IODINE.

- 3.1.12 IF Field survey measurement indicates iodine and the projected deposition is >1.3 μ Ci/m² (15 Rem thyroid ingestion dose) THEN request ERM to recommend to state(s) to:
 - a. Isolate contaminated food products and prevent introduction into commerce.
 - Determine whether condemnation or other disposition is appropriate after consideration of food products in question.
- 3.2 Dose Assessment Group shall perform the following calculations as required or requested by the DATL.
 - 3.2.1 Class A model calculation for information on plume exposure.
 - 3.2.1.1 Back calculate option on main menu to evaluate source term based on field readings.
 - 3.2.1.2 Radioactive liquid release.
- 3.3 The DAL shall ensure all completed dose calculations are reviewed for data entry accuracy and completeness.
- 3.4 IF dose projections indicate a release has or will result in off-site doses above background levels, THEN the DAL shall advise the DATL to dispatch Field Survey Teams (if teams have not already been dispatched).

- 3.5 DAL shall coordinate activities with FSGL including:
 - 3.5.1 Ensure that field verification surveys,
 - 3.5.2 Information on tracking plume,
 - 3.5.3 Discussion of differences between field survey results and projections,
 - 3.5.4 Discussion of additional field survey measurements and,

TPARD dose equals external dose and CEDE from inhalation and 4 day's shine dose from ground deposition. TPARD is the dose value when considering offsite dose. (TPARD = ED+CEDE+4 DAY)

- 3.6 The DAL shall forward dose projection results to DATL, particularly if:
 - 3.6.1 Projected TPARD dose ≥1000 mrem.
 - 3.6.2 Projected child thyroid Committed Dose Equivalent \geq 5000 mrem.
 - 3.6.3 Projected skin dose >50,000 mrem.
 - 3.6.4 Projected iodine deposition >0.13 μ Ci/m².
 - 3.6.5 Inform the FSGL if the DAS Dose Ratio is >1.
- 3.7 DAL ensures that Dose Assessment Status Boards is updated.
- 3.8 HP Support Liaison shall:
 - 3.8.1 Serve as communicator on the HPN phone as requested by NRC.

4.0 FINAL CONDITIONS

- 4.1 The ERM has determined that Dose Assessment and HP Support functions are no longer required.
- 4.2 Ensure that all instrumentation is operative and returned to its initial status to maintain future dose assessment readiness.
- 4.3 The EOF has been deactivated.

4.4 Submit all paperwork and logbooks to the Emergency Preparedness Coordinator.

5.0 ATTACHMENTS AND APPENDICES

- 5.1 Exhibit ERP-C-1300-1, "Dose Assessment Team Leader Initial Actions"
- 5.2 Exhibit ERP-C-1300-2, "Dose Assessment Team Leader Turnover List"
- 5.3 Exhibit ERP-C-1300-3, "Protective Action Recommendation Worksheet"
- 5.4 Exhibit ERP-C-1300-4, "Offsite Sample Analysis Requests"
- 5.5 Exhibit ERP-C-1300-5, "Determination of Protective Action Recommendations"
- 5.6 Exhibit ERP-C-1300-6, "Dose Assessment Group Initial Actions"
- 5.7 Exhibit ERP-C-1300-7, "Obtaining Met data from the National Weather Service"
- 5.8 Exhibit ERP-C-1300-8, "Obtaining EPDS Met/Rad Data"
- 5.9 Exhibit ERP-C-1300-9, "Use of Mode A/Mode B of DAS"

6.0 SUPPORTING INFORMATION

- 6.1 PURPOSE
 - 6.1.1 To identify the responsibilities and activities of the EOF Dose Assessment Team (CM-2).
- 6.2 CRITERIA FOR USE
 - 6.2.1 Alert declaration.
 - 6.2.2 The Emergency Operations Facility Dose Assessment Group has been staffed.
- 6.3 SPECIAL EQUIPMENT

NONE

- 6.4 REFERENCES
 - 6.4.1 NUREG-0654, "Criteria for the Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants."

- 6.4.2 Nuclear Emergency Plan.
- 6.4.3 MESOREM User's and Technical Manuals
- 6.4.4 ERP-C-1320, "EOF Field Survey Group Leader"
- 6.4.5 ERP-C-1400, "Engineering Support Team"
- 6.4.6 ERP-300, "TSC/MCR Dose Assessment Team" (LGS).
- 6.4.7 ERP-315, "Operation of the Dose Assessment Computer" (PBAPS)
- 6.4.8 ERP-301, "Dose Assessment Coordinator (DAC)" (PBAPS).
- 6.4.9 ERP-680, "Control of Thyroid Blocking Potassium Iodide (KI) Tablets" (PBAPS)
- 6.4.10 ERP-660, "Distribution of Thyroid Blocking Tablets" (LGS)
- 6.4.11 ERP-360, "Adjustment of Wide Range Gas Monitor Conversion Factors" (LGS)
- 6.4.12 Regulatory Guide 1.109, "Calculation of annual doses to man from routine releases of reactor effluents for the purpose of evaluation compliance with 10CFR50, Appendix I."
- 6.4.13 Evacuation Time Estimate for the Peach Bottom Plume Exposure Pathway Emergency Planning Zone, September 1989, prepared by HMM Associates, Concord, Massachusetts.
- 6.4.14 Development of Evacuation Time Estimates for the Limerick Generating Station Executive Summary, by KLD Associates, Inc., Huntington Station, N.Y., and SE Technologies, Inc., Harrisburg, PA.
- 6.4.15 EPA-400-R-92-001.
- 6.4.16 PIMS EWR A0659758.

6.5 COMMITMENT ANNOTATIONS

- 6.5.1 CM-1, letter to NRC dated 12/15/88 (PIMS T00322).
- 6.5.2 **CM-2**, Dose Assessment Emergency Response Organization Reorganization (PIMS T03323).

Effective Date:

ERP-C-1300-1 Rev 3 Page 1 of 1 MES/mes

Date	/ /
Time	
Name	

DOSE ASSESSMENT TEAM LEADER

INITIAL ACTIONS

Initials

- 1. Sign in on staffing board.
- 2. Verify adequate staffing (suggested minimum DAG member, 1 FSGL).
- 3. Contact the DAC/SDAP and obtain briefing using Exhibit ERP-C-1300-2, "Dose Assessment Turnover Sheet".
- 4. Inform the Emergency Preparedness Coordinator that briefing is complete and of any deficiencies that could impact activation.
 - 5. Provide a briefing to the Dose Assessment Team.
 - 6. Contact the DAC and SDAP (if appropriate) when turnover is declared by the ERM.

PECO ENERGY COMPANY LIMERICK GENERATING STATION

PROCEDURE INDEX REPORT:

EAC	DOC	PROC		CURR REV				
FAL	TYPE	TYPE	PROCEDURE NUMBER	NBR	TITLE	EFFECTIVE	RESP	SYSTEM
	PRUC	ERP	ERP-C-1000	0005	EMERGENCY OPERATIONS FACTORY (TOTAL)	DATE	GROOP	NBK
	PRUC	ERP	ERP-C-1000-1	0002	EOF ACTIVATION CHECKLESS (EOF) ACTIVATION/DEACTIVATION	04/21/00		
10	PROC	ERP	ERP-C-1000-2	0003		04/21/00		
	PRUC	ERP	ERP-C-1000-3	0000	EOF BUSINESS HOURS ELECT DESSAULT	04/21/00		
	PROC	ERP	ERP-C-1000-4	0000	EOF AFTER HOURS FIRST RESPONDER CHECKLIST	04/21/00		
Lu	PRUL	ERP	ERP-C-1100	0003	EOF STAFF AUGMENTATION	04/21/00		
1.0	0000				INCORPORATED INTO EDD C 1950	09/14/04		
	PRUC	ERP	ERP-C-1200	0009	EMERGENCY REPSONSE MANAGED	00714794		
	PROL	ERP	ERP-C-1200-1	0000	EMERGENCY RESPONSE MANAGER	04/03/00	LME	
LG	PRUC	ERP	ERP-C-1200-2	0000	PROTECTIVE ACTION DECOMPOSED INNOVER/BRIEFING FORM	09/14/04	CMC	
					CANCELLED CALLED WORKSHEET	10/24/05		
	PROC	ERP	ERP-C-1200-3	0000		10/24/95		
LU	PROC	ERP	ERP-C-1210	0002	ASSISTANT EMERENCY DECOURT	04/02/00		
					CANCELLED LWERGENCY RESPONSE MANAGER (AERM)	10/24/05		
	PROC	ERP	ERP-C-1250	0003		10/24/95		
LG	PROC	ERP	ERP-C-1250-1	0000	EMERGENCY DOWER INCOMOLINATOR/EOF	11/02/00		
LG	PROC	ERP	ERP-C-1250-2	0001		00/14/04		
10	0000				BACKUP NOTIFICATION SYSTEM	04/02/00		
ւս	PROL	ERP	ERP-C-1250-3	0000	EMERGENCY PREPARENCES COORDINATES	04/02/98		
1.0				_	STAFFING STAFFING	09/14/04		
LG	PROC	ERP	ERP-C-1250-4	0000	ENERGENCY PREPAREDNESS COORDONNES	03714794		
1.0					RESET	09/14/04		
LG	PROC	ERP	ERP-C-1300	0009	EMERGENCY OPERATIONS SAGAL FROM	09/14/94		
	PROC	ERP	ERP-C-1300-1	0003	DOSE ASSESSMENT TEAM LEADER	04/03/00		
	PROC	ERP	ERP-C-1300-2	0000	DOSE ASSESSMENT TUDOUED LEADER INITIAL ACTIONS	04/03/00		
10	PROC	ERP	ERP-C-1300-3	0003	PROTECTIVE ACTION DECOMPOSITION ACTION	09/23/04		
	PRUC	ERP	ERP-C-1300-4	0000	OFFSITE SAMPLE ANALYSIS DEGUSING WORKSHEET	11/02/00		
LU	PROC	ERP	ERP-C-1300-5	0001	DETERMINATION OF DETERMINATION OF DETERMINATION OF DETERMINATION	09/23/04		
1.0					RECOMMENDATIONS (PADES)	11/02/00		
	PRUC	ERP	ERP-C-1300-6	0001	DOSE ASSESSMENT (PARS)	11/02/98		
10	PRUC	ERP	ERP-C-1300-7	0000	OBTAINING EPDS MET (AD DATA	04/10/09		
	PRUC	ERP	ERP-C-1300-8	0000		03/26/07		
	PRUC	ERP	ERP-C-1300-9	0001	OBTAINING MET DATA BOOM NATIONAL	03/26/07		
10	PROL	ERP	ERP-C-1310	0003	EMERGENCY OPERATIONS FACT TONAL WEATHER SERVICE	09/12/07		
16	DDOC	600			CANCELLED CARTIONS FACILITY (EOF) DOSE ASSESSMENT GROUP	03/26/97		
LU	PROC	CKP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADED THITTHE AND	00/20/3/		
1.6	DDDC	500			CANCELLED GROOF LEADER INITIAL ACTIONS	03/26/97		
Lu	FRUC	CRP	ERP-C-1310-2	0000	OBTAINING MET DATA FROM NATIONAL WEILEN	00/20/37		
1.6	DDDC				CANCELLED	03/26/97		
10	PRUL	ERP	ERP-C-1310-3	0000	OBTAINING EPDS MET/PAD DATA	00720757		
1.6	DDOC				CANCELLED	03/26/97		
20	FRUC .	CKP	ERP-C-1310-4	0000	USE OF MODE A / MODE B OF COM	00/20/3/		
1.0	DDDC				CANCELLED	03/26/97		
	PRUC I		ERP-C-1320	0005	EMERGENCY OPERATIONS FACTUATY (FOR)	00/20/3/		
10	PRUC	5 K P 5 0 5	EKP-C-1320-1	0002	FIELD SURVEY GROUP LEADER	04/10/08		
16	500C -		ERP-C-1320-2	0001	FIELD SURVEY GROUP LEADER TUTIAL ACTIONS	04/10/09		
	FRUL I	EKP	EKP-C-1320-3	0000	FIELD SURVEY GROUP LEADER JUKNOVER SHEET	03/26/97		
	PRUC I	CKP	ERP-C-1400	0004	ENGINEERING SUPORT LEAM	09/23/04		
	-RUL		ERP-C-1400-1	0002	ENGINEERING SUPPORT TEAM CUERK LOS	11/02/98		
LU	-RUC I	ЕКР	ERP-C-1410	0002	CORE DAMAGE ASSESSMENT	11/02/00		
						09/09/08		

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PECO ENERGY COMPANY LIMERICK GENERATING STATION

PROCEDURE INDEX REPORT:

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FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER				
LG	PROC	ERP	ERP-C-1410-1	TITLE	EFFECTIVE DATE		SYSTEM
LG	PROC	ERP	ERP-C-1410-2	UDU RADIOLOGICAL DATA			NBA
LG	PROC	ERP	ERP-C-1410-2	UU01 HYDROGEN CONCENTRATION DATA	09/14/94		
LG	PROC	ERP	ERP=C=1410.4	DODI CONTAINMENT RADIATION MONITOR DATA	09/09/98		
			201 0 1410-4	0000 METAL WATER REACTION	09/09/98		
LG	PROC	ERP	FRP-C-1410 F	CANCELLED	09/09/98		
			EKF-C-1470-5	0001 PERCENT OF FUEL INVENTORY ALTROPHY ALTROPHY ALTROPHY	00/00/30		
LG	PROC	FRD	EPD-C-1410 0	APPROXIMATE SOURCE AND DATACE CONTAINMENT VS.	09/09/09		
			ERF -C-1410-6	0001 PROCEDURES FOR ESTIMATING FUEL DAMAGE	00/03/30		
LG	PROC	FRD	EPD-C. 1500	I-131 AND XE-133 CONCENTRATIONS	09/09/09		
LG	PROC	FRD		0005 LOGISTIC SUPPORT TEAM	00/00/30		
LG	PROC	FDD		0001 MESSAGE AND INFORMATION INSTRUCTIONS	04/02/00		
LG	PROC	EDD	ERP-L-1500-2	0001 HELICOPTER LANDING THEORETICALIONS	10/2//05		
īĞ	PPOC	EDD	ERP-U-1900	0004 RECOVERY PHASE THOSE MENTATION	10/24/95		
ĨĞ	PPOC		ERP-C-1900-1	0000 RECOVERY PHASE THE EMENTATION	10/24/95		
16		ENP	ERP-C-1900-2	0002 PEACH BOTTOM ATOMIC POWERIATION FLOW CHART	11/02/98		
ic			ERP-C-1900-3	0002 LIMERICK GENERATING POWER STATION RECOVERY ACCEPTANCE CHECKLIST	06/28/93		
	PRUL	ERP	ERP-C-1900-4	0002 RECOVERY BLAN OUT STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98		
	PRUC	ERP	ERP-C-1900-5	0002 ASSESSMENT CONTRINE	04/02/98		
LG	PROC	ERP	ERP-101	ODI CLASSESSMENT CONSIDERATIONS	04/02/98		
LG	PROC	ERP	ERP-101 BASES	DODO LOS TELEVITOR OF EMERGENCIES	12/28/99		
LG	PROC	ERP	ERP-106	COOD LOS EAL TECHNICAL BASIS MANUAL	09/14/99	LWE	
LG	PROC	ERP	ERP-110	CODS WRITTEN SUMMARY NOTIFICATION	09/16/99		
LG	PROC	ERP	ERP-120	U03U EMERGENCY NOTIFICATION	11/22/95	IWE	
LG	PROC	ERP	ERP-140	UUD6 STATION EVACUATIONS	11/04/99		
LG	PROC	ERP	ERD-200	0009 STAFFING AUGMENTATION	11/14/07		
LG	PROC	ERP	ERP-200	0012 EMERGENCY DIRECTOR (ED) RESPONSE	02/03/00		
LG	PROC	FRP	EPP-200-1 APP	0010 EMERGENCY NOTIFICATION MESSAGE FORM	10/05/00		
LG	PROC	FRD		0014 OPERATIONS SUPPORT CENTER (AGE) DEFENSE	10/05/00		
LĞ	PROC	FPD	ERP-230 APPENDIX 1	0000 OSC - EMERGENCY COMMUNICATION DIRECTOR	04/14/00		
LG	PROC	FDD	ERP 230 APPENDIX 2	0000 OSC DIRECTOR ACTIVATION CHECK EQUIPMENT CHECK LIST	04/14/00	LWE	
LĜ	PROC	FDD	ERP-230 APPENDIX 3	0000 OPERATIONS SUPPORT CENTER FACTOR LIST	04/14/00		
ĒĞ	PROC		ERP-230 APPENDIX 4	0000 OSC DIRECTOR ACTIVATION FACILITY ACCOUNTABILITY LOG	04/14/00		
LĞ	PROC			0022 TSC/MCR DOSE ASSESSMENT TEAM	04/14/00		
ĹĞ	PROC		ERP-JOU APPENDIX 1	0000 DOSE ASSESSMENT TEAM ACTIVATION	04/14/00		
ĩĞ	PROC		ERP-JUU APPENDIX 2	0000 DOSE ASSESSMENT TEAM CUIVATION	04/03/00	LWE	
ĨĞ			ERP-300 APPENDIX 3	0000 TURNOVER OF DOSE ASSOCIATED FLIST	04/03/00		
īĞ			ERP-JUU APPENDIX 4	0000 DOSE ASSESSMENT DATA SUBERT RESPONSIBILITIES	04/03/00		
ĩã			ERP-300 APPENDIX 5	0000 USE OF MESOPERI IN ALTA SHEET	04/03/00		
	PROC I		ERP-300 APPENDIX 6	0000 OBTAINING PADIO OCTOMODE A	04/03/00		
	PRUC I	ERP	ERP-300 APPENDIX 7	0000 OBTAINING RATIOLOGICAL DATA	04/03/00		
	PROC I	ERP	ERP-300 APPENDIX 8	0000 OBTAINING MET DATA FROM PLANT MONITORING SYSTEM (DWS)	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 9	DOOD BRAINING METEROLOGICAL DATA FROM NATIONAL WEATHER SERVICE	04/03/00		
LG	PROC E	ERP	ERP-300 APPENDIX 10	ACTION WORKSHEET	04/03/00		
LG	PROC E	ERP	ERP-300 APPENDIX 11	UDDO USE OF NORTH STACK DOSE RATE TO ESTIMATE DELEASE OF THE	04/03/00		
LG	PROC E	ERP	ERP-300 APPENDIX 10	OUDD OPERATION OF IBM PS/2 MODEL LADSY	04/03/00		
LG	PROC E	ERP	ERP-300 APPENDIX 12	UDUD LIMERICK LIQUID RELEASE DOSE CALCULATIONS	04/03/00		
LG	PROCE	RP	FRD-300 ADDENDIX 13	UUUD DOSE ASSESSMENT SELF-CHECK	04/03/00		
LG	PROC	RP	EPP-220	0000 STABILTLY CLASS DETERMINATION	04/03/00		
			LAF-330	0000 USE OF NORTH STACK-DOSE DATE TO FORTHUR	04/03/00		
LG (PROC =		EBD-240	CANCELLED INCORPORATED INFORMATE RELEASE SOURCE TERM	11/1//04	we	
LĞ				0007 FIELD SURVEY GROUP INTOERP-300 APP.10	17 (47 94 L	.WE	
(r I	-45-320	0003 RADIOACTIVE LIGHTD BELEASE	03/01/00 -		
				401D NELLASE	11/10/04 ·	WE	
					··/ ··/ 94 [.	WC	

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PECO ENERGY COMPANY LIMERICK GENERATING STATION

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC Type	PROCEDURE NUMBER	CURR REV NBR			
LG	PROC	500	500 oca	TITLE		RESP	SYSTEM
ĹĞ	PROC	FDD	ERP-350	0003 CANCELLED	DATE	GROUP	NBR
LĠ	PROC	FRD	ERD-270	0003 ADJUSTMENT OF WIDE RANGE GAS MONITOR COMPANY	11/10/04	1.146	
		Bet VP	ERP~370	0001 USE OF RMMS FOR DOSE ASSESSMENTIOR CONVERSION FACTORS	10/18/99		
LG	PROC	ERP	FPD-400	CANCELLED	11/10/04		
LG	PROC	ERP		0012 CHEMISTRY SAMPLING AND ANALYSIS TEAM		LWC	
			210 410	0002 SAMPLE PREPARATION AND HANDLING OF HIGH W DIELE	09/28/98	I WE	
LG	PROC	ERP	ERP-420	SAMPLES SAMPLES	09/28/98		
				UUUZ SAMPLE PREPARATION AND HANDIING OF HIGHLY PARTAL			
LG	PROC	ERP	ERP-430	PARTICULATE FILTERS AND IODINE CAPTAINES	09/28/98	IWE	
				UUUZ SAMPLE PREPARATION AND HANDLING OF HIGHLY DADIOACTION			
LG	PROC	ERP	ERP-440	SAMPLES GAS	09/28/98	LWE	
LG	PROC	ERP	ERP-500	ODUZ OFF-SITE ANALYSIS OF HIGH ACTIVITY SAMPLES			
LG	PROC	ERP	ERP-500 APPENDIX 1	0000 SECURITY TEAM	03/29/95	LWE	
LG	PROC	ERP	ERP-500 APPENDIX 2	DOOD SECURITY TEAM ACTIVATION	04/14/00	LWE	
LG	PROC	ERP	ERP-500 APPENDIX 3	DODD SELECTIVE TEAM STAFFING GUIDELINES	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 4	0000 STAFFING FOR SITE EVACUATION	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 5	0000 SECURITY EVACUATION GUIDANCE	04/14/00		
	PROC	ERP	ERP-500 APPENDIX 6	0000 EMERGENCY LEAN LEADER CHECK-OFF LIST	04/14/00		
	PRUC	ERP	ERP-500 APPENDIX 7	0000 FACTUTY ACCOUNT AREAS	04/14/00		
10	PROC	ERP	ERP-600	0012 HEALTH PHYSICS TENT	04/14/00		
20	PRUL	ERP	ERP-620	0002 PLANT SUBVEY COULD	04/14/00		
16	PPAC	-			05/19/98	LWE	
iG		ERP	ERP-630	0003 VEHICLE AND EVACUES CONTROL OF T	05/02/95	LWE	
ĹĞ	PROC	EDD	ERP-640	0008 EMERGENCY RESPONSE FORTH CONTROL GROUP	02/20/05		
ĹĞ	PROC	FDD		0009 ENTRY FOR EMERGENCY PEDATO AND	03/29/95	LWE	
LG	PROC	ERP	EPD-700	0006 DISTRIBUTION OF THYROTO BLOCKING TRATIONS	04/17/00		
LG	PROC	ERP		0014 TECHNICAL SUPPORT TEAM	04/17/00		
				0018 MAINTENANCE TEAM	10/05/98		
			** END OF REDOUT ++		09/14/90		
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** END OF REPORT **

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PECO ENERGY COMPANY PEACH BOTTOM ATOMIC POWER STATION

PROCEDURE INDEX REPORT:

	DOC	PROC						
FAC	TYPE	TYPE	PROCEDURE NUMBER	NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM
PB	PROC	ERP	ERP-C-1000	0005	EMERGENCY OPERATIONS FACTUREY (FOF) ACTIVATION (DEDUCTION			
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 RESPONDED CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-4	0000	EOF AFTER HOURS FIRST RESPONDED CHECKLIST	04/21/99	PWE	
P8	PROC	ERP	ERP-C-1100	0003	EOF STAFF AUGMENTATION- CANCELLED - REPLACED BY SOR & 10-0	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1200	0009	EMERGENCY REPSONSE MANAGER	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1200-1	0000	EMERGENCY RESPONSE MANAGER TURNOVER (RRIEETING FORM	04/03/00	PWE	
РВ	PROC	ERP	ERP-C-1200-2 EXH	0000	PROTECTIVE ACTION RECOMMENDATION WORKSHEFT CANCEL OF DESIGNATION	09/14/94	PWE	
					ERP-C-1200	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1200-3	0000	ERM PAR DELIVERY CHECKLIST			
РВ	PROC	ERP	ERP-C-1210	0002	ASSISTANT EMERGENCY RESPONSE MANAGER (AEDM) CANCELLER	04/03/00	PWE	
					BY ERP-C-1200 MARAGER (AERM) CANCELLED - REPLACED	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1250	0003	EMERGENCY PREPAREDNESS COORDINATOR/FOR			
PB	PROC	ERP	ERP-C-1250-1	0000	EMERGENCY POWER INSTRUCTIONS	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1250-2	0001	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR A CONTINUES	09/14/94	PWE	
					BACKUP NOTIFICATION SYSTEM	04/02/98	PWE	
РВ	PROC	ERP	ERP-C-1250-3	0000	EMERGENCY PREPAREDNESS COOPDINATOR INSTRUCTIONS TO STOP			
					STAFFING	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1250-4	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTUCTIONS FOR SUCTION			
PB	PROC	ERP	ERP-C-1300	0009	EMERGENCY OPERATIONS FACTLITY (FOR) NOTE TO SYSTEM RESET	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1300-1	0003	DOSE ASSESSMENT TEAM FADER INITIAL ACTIONS	04/04/00	PWE	
PB	PROC	ERP	ERP-C-1300-2	0000	DOSE ASSESSMENT TURNOVER LIST	04/04/00	PWE	
PB	PROC	ERP	ERP-C-1300-3	0003	PROTECTIVE ACTION RECOMMENDATION WORKSHEET	09/23/94	PWE	
P8	PROC	ERP	ERP-C-1300-4	0000	OFFSITE SAMPLE ANALYSIS REQUESTS	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1300-5	0001	DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS (PLDS)	09/23/94	PWE	
PB	PROC	ERP	ERP-C-1300-6	0001	DOSE ASSESSMENT GROUP INITIAL ACTIONS (PARS)	11/02/98	PWE	
PD	PROC	ERP	ERP-C-1300-7	0000	OBTAINING EPDS MET/RAD DATA	04/10/98	PWE	
	PROC	ERP	ERP-C-1300-8	0000	USE OF MODE A/MODE B OF CDM	03/26/97	PWE	
20	PROC	ERP	ERP-C-1300-9	0001	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE	03/26/97	PWE	
PD	PRUC	ERP	ERP-C-1310	0003	EMERGENCY OPERATIONS FACILITY (FOF) DOSE ASSESSMENT COOLD	09/12/97	PWE	
DA	ppoc	E00	500 G 1010 1		CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
20	PRUC	ERP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS CANCELLED -			
DB	DDOC	500			REPLACED BY ERP-C-1300	03/26/97	PWE	
FU	PROC	ERP	ERP-L-1310-2	0000	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED			
DR	PPAC	600	EDD 6 1010 0		REPLACED BY ERP-C-1300	03/24/9/	PWE	
	FRUC	CKP	ERP-C-1310-3	0000	OBTAINING EPDS MET/RAD DATA - CANCELLED - NO REPLACED BY	00 (00 /0-		
DB	DDOC	-	500 0 1010 ·		ERP-C-1300	03/26/9/	PWE	
08		ERP	ERP-C-1310-4	0000	USE OF MODE A/MODE B OF CDM CANCELLED - REPLACED BY ERD C 1200			
			ERP-C-1320	0005	EMERGENCY OPERATIONS FACILITY (FOF) FIFLD SUBVEY CROUP - CASE	03/26/97	PWE	
	PROC I		ERP-C-1320-1	0002	FIELD SURVEY GROUP LEADER INITIAL ACTIONS	04/10/98	PWE	
			ERP-C-1320-2	0001	FIELD SURVEY GROUP LEADER TURNOVER SHEET	04/10/98	PWE	
			ERP-C-1320-3	0000	FIELD SURVEY GROUP LEADER DATA SHEFT	03/26/97	PWE	
			EKP-L-1400	0004	ENGINEERING SUPPORT TEAM	09/23/94	PWE	
	PROL I		EKP-C-1400-1	0002	ENGINEERING SUPPORT TEAM CHECKLIST	11/02/98	PWE	
- D D D	PROC 1	582 500	EKP-C-1410	0002	CORE DAMAGE ASSESSMENT	11/02/98	PWE	
70	PRUL I		EKP-U-1410-1	0000	RADIOLOGICAL DATA	09/09/98	PWE	
	PROL I		ERP-U-1410-2	0001	HYDROGEN CONCENTRATION DATA	09/14/94	PWE	
	PRUL		ERP-C-1410-3	0001	CONTAINMENT RADIATION MONITOR DATA	09/09/98	PWE	
20	PRUL I	ERP	ERP-C-1410-4	0000	METAL WATER REACTION - CANCELLED NO REPLACEMENT	09/09/98	PWE	
						09/09/98 1	PWE	

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	DOC	PROC						
FAC	TYPE	TYPE	PROCEDURE NUMBER	NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM
PB	PROC	ERP	ERP-C-1410-5	0001	PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-6	0001	PROCEDURES FOR ESTIMATING FUEL DAMAGE ESTIMATE	09/09/98	PWF	
PB PB	PROC	ERP ERP	ERP-C-1500 ERP-C-1500-1	0005	LOGISTICS SUPPORT TEAM	04/02/08	DWC	
PB	PROC	ERP	ERP-C-1500-2	0001	MESSAGE AND INFORMATION INSTRUCTIONS	10/24/05	PWE	
PB	PROC	ERP	ERP-C-1900	0001	RECICOPTER LANDING INFORMATION	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1900-1	0004	RECOVERY PHASE IMPLEMENTATION	11/02/98	DWE	
PB	PROC	ERP	ERP-C-1900-2	0002	PEACH BOTTOM ATOMIC DOWICE OF CHART	06/28/93	PWF	
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 ACCEPTANCE CHECKLIST	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-5	0002	ASSESSMENT CONSIDERATIONS	04/02/98	PWE	
P8	PROC	ERP	ERP-101	0021	CLASSIFICATION OF EMERGENCIES	12/28/99	PWE	
28	PROC	ERP	ERP-110	0012	EMERGENCY NOTIFICATIONS	11/13/99	PWE	
	PRUC	ERP	ERP-110 APP 1	0053	EMERGENCY NOTIFICATION TELEPHONE LIST	08/06/98	PWE	
-0	PRUC	ERP	ERP-110 APP 2	0024	EMERGENCY CLASSIFICATION NOTIFICATION TELEPHONE LIST FOR A DEPE	02/16/00	PWE	
					EMERGENCY OR GENERAL EMERGENCY CANCELLED - REPLACED BY ERP-110	07/21/93	PWE	
PB	PROC	ERP	ERP-120	0002	PARTIAL PLANT EVACUATION CANCELLED DEDLARES ON THE			
PB	PROC	ERP	ERP-130	0014	SITE EVACUATION CARCELLED - REPLACED BY ERP-130 & GP-15	08/10/92	PWE	
PB	PROC	ERP	ERP-140	0019	EMERGENCY RESPONSE ORGANIZATION (EDO) CALL OUT	02/16/00	PWE	
PB	PROC	ERP	ERP-140 APP 1	0019	AUTOMATED ERO ACTIVATION (ERO) CALL OUT	03/04/99	PWE	
PB	PROC	ERP	ERP-140 APP 2	0022	ASPEN EMERGENCY MESSAGE CANCELLED - DEPLACED BY THE	08/06/98	PWE	
PB	PRUC	ERP	ERP-140 APP 3	0022	DOSE ASSESSMENT TEAM CANCELLED - REPLACED BY ERP-110 APP 1	08/06/98	PWE	
DD	0000				ISSUED MONTHLY PER RT/ERP-2	08/20/92		
-0	PRUC	ERP	ERP-140 APP 4	0015	CHEMISTRY SAMPLING & ANALYSIS TEAM CANCELLED DEDLAGED BY			
DB	DDOC	600	FRR 140 488 -		PRINTOUTS ISSUED MONTHLY PER RT/FRP-2	08/20/92		
FD	FRUC	CKP	ERP-140 APP 5	0014	DAMAGE REPAIR TEAM CANCELLED - REPLACED BY DIMS DRINTOUTS ISSUES			
PB	PROC	FDD	EPD-140 ADD 0		MONTHLY PER RT/ERP-2	08/20/92		
. 2		LIVE	CRE-140 APP 6	0013	SECURITY TEAM CANCELLED ~ REPLACED BY PIMS PRINTOUTS ISSUED	00 (00 (00		
PB	PROC	FRP	FRP-140 APD 7	00.7	MONTHLY PER RT/ERP-2	08/20/92		
			EIG 140 AFF /	0017	PERSONNEL SAFETY TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS	09/20/00		
PB	PROC	ERP	ERP-140 APP 8	0000	ISSUED MONTHLY PER RT/ERP-2	08/20/92		
				0009	EMERGY CUNSULIANTS AND CONTRACTORS CANCELLED - INCLUDED IN	08/20/02		
PB	PROC	ERP	ERP-140 APP 9	0011	NEADEN DIRECTORY	00/20/92		
				0011	- INCLUDED IN REPORTED VIEWS OF DOWNSTREAM WATER CANCELLED	08/20/92		
PB	PROC	ERP	ERP-200	0015	EMERGENCY DIRECTORY			
PB	PROC	ERP	ERP-200 APP 1	0002	UNUSUAL EVENT INITIAL ACTIONS	11/02/98	PWF	
PB	PROC	ERP	ERP-200 APP 2	0003	ALERT INITIAL ACTIONS	08/12/94	PWF	
PB	PROC	ERP	ERP-200 APP 3	0003		11/16/98	PWE	
РВ	PROC	ERP	ERP-200 APP 4	0003	GENERAL EMERGENCY INITIAL ACTIONS	11/16/98	PWF	
PB	PROC	ERP	ERP-200 APP 5	0002	RECOVERY OR TERMINATION ANTIANA COLORS	11/16/98	PWE	
PB	PROC	ERP	ERP-200 APP 6	0000	RECOVERY PHASE FORMS CALCELED STOLEN	08/12/94	WE	
PB	PROC	ERP	ERP-205	0007	EMERGENCY PREPAREDNESS COMPANY TO THE ACED BY ERP-200 APPENDIX 5	07/06/94		
PB	PROC	ERP	ERP-206	0007	SUPPORT SERVICES GOULD	03/03/00	WE	
PB	PROC	ERP	ERP-210	0000	TRIP TABLE COMMUNICATOR (TSC)	03/03/00	WE	
PB	PROC	ERP	ERP-220	0006	OPERATIONS GROUP	09/12/97	WE	
РВ	PROC	ERP	ERP-230	0016	OPERATIONS SUPPORT CENTER (OSC) ACTIVITION	10/05/95	WE	
				-	COLUMN CENTER (OSC) ACTIVATION	10/07/98	WE	

PECO ENERGY COMPANY PEACH BOTTOM ATOMIC POWER STATION PROCEDURE INDEX REPORT:

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3

	DOC	PROC							
FAC	: TYPE	TYPE	PROCEDURE	NUMBER	NBR	TITLE	EFFECTIVE DATE	RESP	SYSTEM
PB	PROC	ERP	ERP-230 APP	1	0001	PERSONNEL EXPOSURE LOG OPERATIONS SUPPORT CENTER (OSC)	11/28/95	PWE	11DIX
PB	PROC	ERP	ERP-250		0011	TECHNICAL SUPPORT CENTER (TSC) ACTIVATION CANCELLED - NO	10/14/93		
PB	PROC	ERP	ERP-300		0007	DOSE ASSESSMENT TEAM LEADER (DATL) CANCELLED			
PB	PROC	ERP	ERP-301		0003	DOSE ASSESSMENT COORDINATOR (DAC) CANCELLED - NO REPLACEMENT	09/23/94	PWE	
	PROC	ERP	ERP-305		0004	DOSE ASSESSMENT GROUP LEADER (DAGL) CANCELLED NO DERIVERY	12/04/98	PWE	
PD	PRUC	ERP	ERP-310		0007	DOSE ASSESSMENT GROUP CANCELLED - NO REPLACEMENT	03/12/93		
00	PRUC	ERP	ERP-315		0013	OPERATION OF THE DOSE ASSESSMENT COMPUTED	09/23/94	PWE	
*0	PRUC	ERP	ERP-318		0001	LIQUID RELEASE DOSE CALCULATIONS AT DOWNSTREAM WATER THE	11/12/98	PWE	
РВ	PROC	ERP	ERP-319		0001	FACILITIES CANCELLED - REPLACED BY ERP-360	06/18/93		
DB	0000					REPLACED BY ERP-360	06/18/93		
	PRUC	ERP	ERP-325		0005	SHIFT DOSE ASSESSMENT PERSONNEL			
DR	PROC	ERP	ERP-325 APP	1	0000	CANCELLED - REPLACED BY MESOREM PROGRAM	08/25/98	PWE	
PR	PROC	EDD	ERP-330		0009	FIELD SURVEY GROUP LEADER (FSGL) CANCELLED - NO BEDLACEMENT	03/03/95	PWE	
PB	PROC	FPD	ERP-340		0006	FIELD SURVEY GROUP	09/23/94	PWE	
PB	PROC	FRP	EPD-360	1	0003	FIELD SURVEY DATA SHEET	03/19/97	PWE	
PB	PROC	ERP	ERP-400		0000	RADIOACTIVE LIQUID RELEASE CANCELLED - REPLACED BY FRP-315	03/19/9/	PWE	
PB	PROC	ERP	ERP-410		0000	CHEMISTRY TEAM LEADER (CTL)	00/23/94	Dure	
PB	PROC	ERP	ERP-410 APP	1	0009	CHEMISTRY GROUP	01/20/00		
				•	0000	EPD-410 - REPLACED BY	12/11/96		
PB	PROC	ERP	ERP-410 APP	2	0000	CHEMISTRY SAMPLE AND ANALYSIS AND STREET		F 41 C.	
					0000	FRD-410	12/11/96	PWF	
PB	PROC	ERP	ERP-500		0009	SECURITY TEAM LEADED (STL)			
PB	PROC	ERP	ERP-510		0009	PERSONNEL ACCOUNTABLE STC	11/28/95	PWE	
PB	PROC	ERP	ERP-520		0005	SECURITY GROUP LADELLED - NO REPLACEMENT	11/28/95	PWE	
PB	PROC	ERP	ERP-520 APP	1	0000	UNIT 1 PERSONNEL LOG CANCELLED - NO DEDI AGENTIC	11/28/95	PWE	
PB	PROC	ERP	ERP-600		0013	HEALTH PHYSICS TEAM (EADER (HDT))	11/28/95	PWE	
PB	PRUC	ERP	ERP-610		0004	FIRST AID/SEARCH AND RESCUE GROUP CANCELLED NO FERMINE	07/07/99	PWE	
DB	PROC	ERP	ERP-620	-	0011	HEALTH PHYSICS GROUP (HPG)	02/05/93		
DR	DDOC		ERP-620 APP	1	0000	HABITABILITY STATUS LOG SHEET	09/04/98	PWE	
PB			ERP-620 APP	2	0000	ARM STATUS LOG	11/05/93	PWE	101
PB	PROC	EDD	ERP-620 APP	3	0002	HEALTH PHYSICS BRIEFING GUIDE	11/05/93	PWE	100
PB	PROC	FDD	ERP-020 APP	4	0000	ACCESS BRIEFING GUIDE CANCELLED - NO REPLACEMENT	09/04/98	PWE	
	0000				0003	DOSIMETRY, BIOASSAY, AND RESPIRATORY PROTECTION GROUP CANCELLED	05/08/96 03/18/93	PWE	
PR	PROC	EDD	EKP-640		0006	VEHICLE AND EVACUEE CONTROL GROUP			
PB	PROC		ERP-640 APP	1	0000	CONTAMINATED VEHICLE SURVEY FORM CANCELLED - NO REDUCCEMENT	05/28/97	PWE	
PB	PROC	FDD	ERP-640 APP EPD_650	2	0000	UNCONTAMINATED VEHICLE FORM CANCELLED - NO REPLACEMENT	05/28/97 (PWE	
PB	PROC	FRP	ERP-660		0006	TRANSPORT OF CONTAMINATED INJURY OFF-SITE	05/28/97 1	PWE	
					0007	ENTRY FOR EMERGENCY REPAIR AND OPERATIONS CANCELLED - REPLACED	11/27/96	PWE	
PB	PROC	ERP	ERP-670		0004	BY EKP-620 REFLACED	07711794		
PB	PROC	ERP	ERP-680		0004	CONTROL OF THEATION EXPOSURE GUIDELINES AND CONTROLS	12/11/06 -		
PB	PROC	ERP	ERP-680 APP	1	0000	DOTASSIUM TOTAL DELOCKING POTASSIUM IODIDE (KI) TABLETS	12/20/07 1		
PB	PROC I	ERP	ERP-680 APP	2	0000	DIASSIUM LODIDE WORKSHEET	02/20/97 1		
PB	PROC I	ERP	ERP-680 APP	3	0001	INSTRUCTION AND DECORD AVERA	11/30/04 1		
PB	PROC I	ERP	ERP-680 APP	4	0001	AT AUTODATION AND RECORD SHEET FOR PERSONS RECEIVING KI	02/20/97		
						N= ROTIONIZATION	02/20/97	WE	

PECO ENERGY COMPANY PEACH BOTTOM ATOMIC POWER STATION PROCEDURE INDEX REPORT:

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4

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FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP	SYSTEM
PB	PROC	ERP	ERP-700	0009	TECHNICAL SUPPORT TEAM	11/02/98	PWE	NDK
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 **