10CFR50, Appendix E

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

March 2, 2000

Docket Nos. 50-352 50-353

License Nos. NPF-39 NPF-85

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

Subject: Limerick Generating Station, Units 1 & 2 Emergency Response Procedure Revision

Dear Sir/Madam:

Enclosed is the following procedure revision to the Emergency Response Procedures (ERPs) for Limerick Generating Station (LGS), Units 1 and 2. This procedure is required to be submitted within thirty (30) days of its revision in accordance with 10CFR50, Appendix E, and 10CFR50.4.

ERP-340, Revision 7, "Field Survey Group"

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

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

Very truly yours,

D. G. Heller / Fur

James A. Hutton Director - Licensing

Attachments

CC:

باريك بعادته بالجيا سعا الثكاري

H. J. Miller, Administrator, Region I, USNRC (2 copies)
W. F. Harre, Director of Materials Safety & Safeguard, USNRC
A. L. Burritt, USNRC Senior Resident Inspector, LGS (w/o enclosures)

4045



Effective Date: 3/1/00

ERP-340 Rev. 7 Page 1 of 12 MES/ldt

PECO ENERGY COMPANY LIMERICK GENERATING STATION EMERGENCY RESPONSE PROCEDURE

ERP-340 FIELD SURVEY GROUP

- 1.0 RESPONSIBILITIES
 - 1.1 Dose Assessment Coordinator (DAC) directs actions of Field Survey Team Members per ERP-300 until relieved by EOF Field Survey Group Leader.
 - 1.2 Field Survey Team (FST) Members conduct field surveys.
- 2.0 INITIAL ACTIONS
 - 2.1 DAC performs initial dispatch of Field Survey Teams per ERP-300-3.
 - 2.2 Field Survey Team Members shall:
 - 2.2.1 Obtain key to Site Management Building and Equipment Storage Locker from HP Field Office or TSC key locker.
 - 2.2.2 Keep all dosimetry upon leaving protected area.
 - 2.2.3 Report to the Site Management Building.
 - 2.2.4 Contact DAC by phone (ext. 2620) and provide:
 - 2.2.4.1 Name (HP and Driver)
 - 2.2.4.2 Social Security Number (HP and Driver)
 - 2.2.4.3 Team color designation (by kit selected)
 - 2.2.5 Obtain Emergency Equipment:
 - 2.2.5.1 Field Survey Kit
 - 2.2.5.2 Emergency Dosimetry
 - 2.2.5.3 Radio Equipment
 - a. Hand held radio
 - b. Two batteries
 - c. Antenna
 - d. Cigarette Lighter Adapter

ERP-340, Rev. 7 Page 2 of 12 MES/ldt

- 2.2.6 <u>IF</u> seal on Field Survey Kit is broken <u>THEN</u> obtain a sealed kit <u>OR</u> perform inventory per G0000579.
- 2.2.7 Perform Step 1 of ERP-340-2.
- 2.2.8 Notify DAC of any equipment that did not function correctly or is missing.

NOTE: RELOCATE TO A MINIMUM OF 50 FEET FROM ANY SITE BUILDING PRIOR TO COMMUNICATION CHECK

2.2.9 Perform radio communication check with DAC.

NOTE: CHANNEL 1 IS USED TO COMMUNICATE WITH THE FIELD SURVEY GROUP LEADER, CHANNEL 2 IS USED TO COMMUNICATE WITH OTHER FIELD SURVEY TEAMS.

- 2.2.9.1 <u>IF</u> vehicle has installed radio <u>THEN</u> use installed radio as primary communications.
 - a. Switch radio on
 - b. Perform radio check
- 2.2.9.2 <u>IF</u> vehicle dose not have installed radio but DOES have cigarette lighter, <u>THEN</u> use portable radio with charger.
 - a. Locate radio charger in vehicle
 - b. Plug charger into cigarette lighter
 - c. Put radio into charger face down
 - d. Place magnetic-based antenna on roof
 - e. Perform check using charger speaker and microphone
- 2.2.9.3 <u>IF</u> vehicle does not have an installed radio <u>OR</u> cigarette lighter, <u>THEN</u> use portable radio only.
 - a. Switch radio on
 - b. Adjust Squelch
 - c. Perform radio check
- 2.2.10 Ensure E-520/HP-270 or equivalent is operating at all times.

2.2.11 Proceed to initial location as directed.

3.0 CONTINUING ACTIONS

NOT	E:	EOF DOSE ASSE	S TO BE PERFORMED <u>ONLY</u> IN THE EVENT THAT SSMENT IS NOT STAFFED TO PERFORM THESE GROUP LEADER FUNCTIONS.
3.1	DAC s	hall:	
	3.1.1	Direct ac	ctivities of the field survey teams.
		3.1.1.1	Maintain communications with field survey teams
		3.1.1.2	Record data on Appendix ERP-340-1
		3 1 1 3	Provide status undates to the Field

• .

3.1.1.3 Provide status updates to the Field Survey Teams

NOTE :	DRD READING X TEDE	PROJECTED DOSE RATIO EQUALS ESTIMATED
	3.1.1.4	Keep FST informed of projected dose ratio <u>AND</u> assist FST in using ratio to estimate TEDE dose.
3.1.2		TL of results from field surveys, rly where:
	3.1.2.1	Actual readings differ significantly from expected (projected) values.
	3.1.2.2	Field dose rate equals or exceeds 250 mrem/hr.
	3.1.2.3	Field radioiodine concentration equals or exceeds 6.5 X 10 N7 uCi/cc.
3.1.3	N8 uCi/cc	radioiodine concentration exceeds 2 X 10 iate team member DAC-hr tracking.
3.1.4	DAC hrs <u>O</u> MPC-hr ma <u>THEN</u> arra	ed by FST that team MPC-hr exceeds 850 <u>R</u> dose projections indicated that team y reach 950 DAC-hr nge for relief team dispatch <u>OR</u> initiate or KI administration per ERP-600.

ERP-340, Rev. 7 Page 4 of 12 MES/ldt

- 3.1.5 <u>IF</u> informed by FST that team dose exceeds 75% of authorized level <u>THEN</u> arrange for relief field team dispatch OR initiate dose extension per ERP-650.
- 3.1.6 <u>WHEN</u> scan results of field air sample is available <u>THEN</u> calculate efficiency factor using the following equation <u>AND</u> transmit to teams.

Eff Factor = Estimated Concentration Actual Concentration

- 3.1.7 <u>IF</u> Field Survey Team members or vehicles become contaminated, <u>THEN</u> inform the Health Physics Team Leader.
- 3.1.8 <u>WHEN</u> directed by DATL <u>THEN</u> turnover FSGL duties to EOF FSGL using Appendix ERP-300-3.
- 3.2 Field Survey Team Members shall:

WARNING

ALWAYS FOLLOW PECO ENERGY VEHICLE AND PERSONNEL SAFETY TECHNIQUES.

- 3.2.1 At each survey location:
 - 3.2.1.1 Perform airborne, radiation and contamination survey, per ERP-340-2 step 2, unless directed otherwise by FSGL.

NOTE

SURVEY NUMBER INCLUDES BOTH LETTER AND NUMBER. LETTER IS DETERMINED BY TEAM DESIGNATED COLOR, NUMBER IS SEQUENTIAL BY TEAM. EXAMPLE-SURVEY G-3 WOULD BE THE 3RD SURVEY PERFORMED BY THE GREEN TEAM.

- 3.2.1.2 Enter survey data on Field Survey Data Sheet, Appendix ERP-340-3.
- 3.2.1.3 Unless directed otherwise by FSGL proceed to a Low Background Area.

ERP-340, Rev. 7 Page 5 of 12 MES/ldt

- 3.2.2 While enroute to Low Background Area, transmit Data Items #1 through 5 from Field Survey Data Sheet Appendix ERP-340-3.
 - 3.2.2.1 <u>IF</u> unable to contact FSGL by radio <u>THEN</u>:
 - a. Switch to Channel 2 and attempt a communications relay with another team
 - b. Telephone TSC at (610) 326-9860 OR EOF at (610) 380-3847 or 3848.
- 3.2.3 Upon arrival at Low Background Area:

NOTE THE AIR SAMPLE CALCULATIONS USED IN APPENDIX ERP-340-3, FIELD SURVEY DATA SHEET USE THE METHODOLOGY DESCRIBED IN HP-204.

- 3.2.3.1 Remove and count filter per HP-C-214.
- 3.2.3.2 Run air sampler for one minute with silver zeolite cartridge in place to purge cartridge of noble gases.
- 3.2.4 Field count smears per HP-C-211.
- 3.2.5 Field count iodine cartridge per HP-204.
- 3.2.6 Complete Field Survey Data Sheet.
- 3.2.7 Transmit Data Items #6 and 7 to Field Survey Group Leader.
- 3.2.8 Perform additional surveys as directed.

4.0 FINAL CONDITIONS

- 4.1 Survey all personnel and vehicles for radioactive contamination before returning to site.
- 4.2 Deliver all samples to Chemistry Group at R/W-217 OR as directed.
- 4.3 Deliver data sheets to DAC.
- 4.4 Inventory Field Survey Kit <u>AND</u> report results to Health Physics Team Leader in the TSC.

ERP-340, Rev. 7 Page 6 of 12 MES/ldt

5.0 APPENDICES

- 5.1 ERP-340-1, Field Survey Group Leader Data Sheet
- 5.2 ERP-340-2, Field Survey Team Member Checklist
- 5.3 ERP-340-3, Field Survey Data Sheet

6.0 SUPPORTING INFORMATION

- 6.1 <u>Purpose</u>
 - 6.1.1 To provide guidelines for actions of Field Survey Group.

6.2 Criteria for Use

- 6.2.1 Field Survey Group shall be activated at Alert level or as determined by The Emergency Director.
- 6.3 Special Equipment
 - 6.3.1 Radio with battery packs and charger
 - 6.3.2 Field survey kits
 - 6.3.3 Vehicle
 - 6.3.4 Emergency Dosimetry

6.4 <u>References</u>

- 6.4.1 HP-204
- 6.4.2 HP-C-214
- 6.4.3 Letter #JGF-89-11
- 6.4.4 Manual of Protective Actions for Nuclear Incidents (EPA 520-1-75-001-A January 1990)
- 6.4.5 NUREG/CR-3011 Dose Projection Considerations for Emergency Conditions at Nuclear Power Plant
- 6.4.6 HP-C-211
- 6.4.7 ERP-600
- 6.4.8 ERP-300
- 6.4.9 ERP-650

ERP-340, Rev. 7 Page 7 of 12 MES/ldt

6.4.10 G0000579

6.4.11 EPA400-R-92-001, Oct. 1991, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.

6.5 Commitment Annotation

- 6.5.1 A.I Q0001944
- 6.5.2 OEAP A0370948-AE02 (Entire Procedure)

ERP-340, Rev. 7 Page 8 of 12 MES/ldt

APPENDIX ERP-340-1

DATE_____ FSGL

FIELD SURVEY GROUP LEADER DATA SHEET

	DATA NUMBER										
SURVEY NUMBER	1										
SURVEY LOCATION	2										
TIME OF SURVEY	3		:								
OPEN WINDOW mR/hr	4										
CLOSED WINDOW	5*										
GROSS SMEAR (cpm) MASSLIN	6										
	6										
IODINE CONCENTRATION µCi/cc	7*		·								
DOSE RATIO											
*IF CLOSED WINDOW(#5) >25 COORDINATOR IMMEDIATELY	*IF CLOSED WINDOW(#5) >250 OR IODINE CONCENTRATION(#7) >6.5 x 10N7, NOTIFY DOSE ASSESSMENT										

ERP-340, Rev. 7 Page 9 of 12 MES/ldt

APPENDIX ERP-340-2 FIELD SURVEY TEAM MEMBER CHECK LIST (PAGE 1 of 2)

1. BEFORE LEAVING SITE

INSTRUMENT INVENTORYINSTRUMENT TYPESERIAL NUMBERCALIBRATI ON DUEBATTERY CHECKRESPONSE CHECKCHECK-OFFRO-2AIIIIIE-520IIIIIE-140N HP210TIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII											
TYPENUMBERON DUECHECKCHECKRO-2AIIIE-520IIIE-140N HP210TIIIRadeco H 890CIN/AA)All Equipment accounted for and operableB)Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's)C)Notified DAC by phone X2620D)Radio communication check performed1)Kit color designation team	INSTRUMENT INVENTORY										
E-520 Image: Constraint of the system E-140N HP210T Image: Constraint of the system Radeco H 890C N/A A) All Equipment accounted for and operable B) Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0-5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team team team						CHECK-OFF					
E-140N HP210T N/A Radeco H 890C N/A A) All Equipment accounted for and operable B) Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team	RO-2A										
Radeco H 890C N/A A) All Equipment accounted for and operable B) Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team	E-520										
A) All Equipment accounted for and operable B) Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team	E-140N HP210T										
B) Ensure all team members have Emergency Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team	Radeco H 890C				N/A						
Dosimetry and it is zeroed (0-1500mR and 0- 5R DRD's) C) Notified DAC by phone X2620 D) Radio communication check performed 1) Kit color designation team	A) All I	Equipment	accounted f	or and op	erable						
D) Radio communication check performed 1) Kit color designation team	Dosi	metry and									
1) Kit color designationteam	C) Noti:	fied DAC b	y phone X26	20							
team	D) Radio	o communica	ation check	performe	d						
E) Have been briefed on situation, etc.	-										
	E) Have	been brie	fed on situ	ation, etc	с.						
F) E520/HP270 is ON	F) E520,	/HP270 is (NC								

2. INSTRUCTIONS AT SURVEY LOCATION AND WHILE IN TRANSIT

- Performed radiation survey while in transit to specified survey location
- B) Notified DAC or FSGL at EOF of arrival and dose rate encountered
- C) Start air sample
 - 1) Particulate filter and silver zeolite cartridge marked to indicate direction of air flow
 - 2) Flow Rate observed and recorded not to exceed 3 SCFM
 - 3) 10 cubic feet minimum volume
- D) Performed open/closed waist level survey using E-520/HP-270

ERP-340, Rev. 7 Page 10 of 12 MES/ldt

- E) Perform gross masslin smear survey
- F) Move to low background area
- G) Transmit data points 1-5 from ERP-340-3

3. AT LOW BACKGROUND COUNTING AREA

- A) Remove and count particulate filter
- B) Count Smear(s)
- C) Perform purge of silver zeolite cartridge
- D) Calculate I-131 Concentration
- E) Transmit data points 6 and 7 from ERP-340-3
- F) Calculate DAC-hr
- G) Complete Field Survey Data Sheet
- H) When advised to return, monitor self, driver and vehicle for contamination and relay findings to FSGL
- All samples turned over to Chemistry Group at Chemistry Control Point in Radwaste Enclosure
- J) Turn over all completed forms to DAC for subsequent disposition.

ERP-340, Rev. 7 Page 11 of 12 MES/ldt

APPENDIX ERP-340-3 FIELD SURVEY DATA SHEET (PAGE 1 of 2)

READ NUMBERED DATA TO FSGL/DAC W/	O UNITS UNLESS DIRECTED OTHERWISE								
SURVEY NUMBER (#1)	SURVEY LOCATION (#2)								
AIRBORNE S	SURVEY DATA								
SURVEY TIME (#3) Survey Time)									
Initial Flow Rate cfm +Fina Flow Rate cfm	al Flow Rate cfm =/2=Avg								
Retention Factor (RF)=(20-Avg Fl (Duration x Avg Flow Rate)	low Rate) Volume								
RADIATION SURVEY	DATA (WAIST HIGH)								
OPEN WINDOW mR/hr (#4)	CLOSED WINDOW mR/hr								
	•								
CONTAMINATION SURVEY DAT	A GROSS SMEARS (MASSLIN)								
LOCATION	net cpm (#6)								
LOCATION	net cpm (#6)								
· · · · · · · · · · · · · · · · · · ·									
AIRBORNE SURVE	Y CALCULATIONS								
Gross cpm Filter	net cpm Filter								
Gross cpm Cartridge	net cpm Cartridge								
ESTIMATE RADIOIODINE CON	CENTRATION & MPC FRACTION								
	FSGL notifies otherwise								
IODINE CONCENTRATION uCi/cc = <u>Net cpm</u> (7.86 X 10 ^b) (Vo	n Cartridge = (#7) olume)(RF)(Eff Factor)								
DAC FRACTION = <u>Estimated Radioiodine Concentrati</u> DAC I-131 (Ref 6.5.1)	$\frac{100}{2.0 \times 1008}$								

ERP-340, Rev. 7 Page 12 of 12 MES/ldt

APPENDIX ERP-340-3 FIELD SURVEY DATA SHEET (PAGE 2 of 2)

(IF REQUESTED BY FSGL/DAC)									
TEAM DOSE AND DAC-HR ESTIMATION									
Estimate time in plume(hr) x DAC Fraction = Current DAC - hr									
Previous DAC-hr+ Current DAC-hr	= Team DAC-hr								
IF TEAM DAAC-HR EXCEEDS 85	0, NOTIFY FSGL IMM	EDIATELY							
Completed by: Date:	Completed by:								
HP TECH DRIVER									
1. Prev. Est. TEDE									
2. Prev. DRD Rdng.									
3. Current DRD Rdng.									
4. Current Est. Proj. Dose Ratio									
IF TOTAL DOSE EXCEEDS 75% O NOTIFY FSGL		ED LEVEL,							
HP 1	TECH								
Current HP DRD Reading (3) Prev. HP DRD	Reading (2)= Curre	ent HP Exp.							
Current HP Exp x Current Est. Dose Ratio	(4) = Current HP TI	EDE							
Prev. HP TEDE (1) + Current HP TEDE	= total TED	E							
I&C TECH									
Current Driver DRD Rdng (3) Prev. Driv	Current Driver DRD Rdng (3) Prev. Driver DRD Rdng (2)=Current Driver Exp								
Current Driver Exp x Current Est. Dose R	atio (4)= Current D	river TEDE							
Previous Driver TEDE (1)+ Current Driv	er TEDE= Total Ti	EDE							

c.

LG

LG

LG

LG

LG

LG

LG

LG

PROC ERP

LG PROC ERP

ERP-C-1310-4

ERP-C-1320

ERP-C-1320-1

ERP-C-1320-2

ERP-C-1320-3

ERP-C-1400-1

ERP-C-1410

ERP-C-1410-1

ERP-C-1400

PECO ENERGY COMPANY LIMERICK GENERATING STATION

PROCEDURE INDEX REPORT:

CANCELLED

CANCELLED

0000 USE OF MODE A / MODE B OF CDM

0004 ENGINEERING SUPPORT TEAM

0002 CORE DAMAGE ASSESSMENT

0000 RADIOLOGICAL DATA

0002 FIELD SURVEY GROUP LEADER INITIAL ACTIONS

0001 FIELD SURVEY GROUP LEADER TURNOVER SHEET

0000 FIELD SURVEY GROUP LEADER DATA SHEET

0002 ENGINEERING SUPPORT TEAM CHECKLIST

	DOC	PROC		CURR REV	TITLE			010751
FAG	С ТҮРЕ	TYPE	PROCEDURE NUMBER	NBR	TITLE	EFFECTIVE DATE		
LG	PROC	ERP-	ERP-C-1000	0005	TITLE EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION/DEACTIVATION EOF ACTIVATION CHECKLIST EOF DEACTIVATION CHECKLIST EOF BUSINESS HOURS FIRST RESPONDER CHECKLIST EOF AFTER HOURS FIRST RESPONDER CHECKLIST EOF STAFF AUGMENTATION INCORPORATED INTO ERP-C-1250 EMERGENCY RESPONSE MANAGER EMERGENCY RESPONSE MANAGER TURNOVER/BRIEFING FORM PROTECTIVE ACTION RECOMMENDATION WORKSHEET CANCELLED ASSISTANT EMERGENCY RESPONSE MANAGER (AERM) CANCELLED EMERGENCY PREPAREDNESS COORDINATOR/EOF EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR ASPEN BACKUP NOTIFICATION SYSTEM EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP STAFFING ENERGENCY DEEDABEDNESS COORDINATOR INSTRUCTIONS TO STOP	04/21/99		
LG	PROC	ERP	ERP-C-1000-1	0002	EOF ACTIVATION CHECKLIST	04/21/00		
LG	PROC	ERP	ERP-C-1000-2	0003	EOF DEACTIVATION CHECKLIST	04/21/00		
LG	PROC	ERP	ERP-C-1000-3	0000	EOF BUSINESS HOURS FIRST RESPONDER CHECKLIST	04/21/99		
LG	PROC	ERP	ERP-C-1000-4	0000	EOF AFTER HOURS FIRST RESPONDER CHECKLIST	04/21/99		
LG	PROC	ERP	ERP-C-1100	0003	EOF STAFF AUGMENTATION	04/21/99		
					INCORPORATED INTO ERB-C-1250	09/14/94		
LG	PROC	ERP	ERP-C-1200	0008				
LG	PROC	ERP	ERP-C-1200-1	0000	EMERGENCY DESONSE MANAGER TUDNOVER (DDIECING FORM	11/02/98	LWE	
LG	PROC	ERP	ERP-C-1200-2	0000	PROTECTIVE ACTION DECOMMENDATION WORKDEFING FORM	09/14/94		
				0000	CANCELLED	10/24/95		
LG	PROC	FRP	FRP-C-1210	0002	ASSISTANT ENERGENCY DECRANCE MANAGER (AERA)			
				0002	CANCELLED EMERGENCY RESPONSE MANAGER (AERM)	10/24/95		
LG	PROC	ERP	ERP-C-1250	0003	CANCELLED			
ĹĠ	PROC	FRP	ERP-C-1250-1	0000	EMERGENCY PREPAREDNESS COURDINATOR/EOF	11/02/98		
ĹĞ	PROC	FRP	ERP-C-1250-2	0000	EMERGENCY POWER INSTRUCTIONS	09/14/94		
		1		0001	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR ASPEN	04/02/98		
LG	PROC	ERP	ERP-C-1250-3	0000	BACKUP NUTIFICATION SYSTEM			
		,		0000	CTACETICS PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP	09/14/94		
LG	PROC	ERP	F8P-C-1250-4	0000	ENERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP ENERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR SYSTEM RESET EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS			
				0000	DESET	09/14/94		
LG	PROC	FRP	FRP-C-1300	0000	RESEI			
	PROC	FRP	ERP-C-1300-1	0000	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER	11/02/98		
	PROC	FRD	ERP-C-1300-2	0002	DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS	04/10/98		
	PROC	FPD	ERP-C-1300-2	0000	DOSE ASSESSMENT TORNOVER LIST	09/23/94		
ĹĞ	PROC	EDD	ERP-C-1200-4	0003	PROTECTIVE ACTION RECOMMENDATION WORKSHEET	11/02/98		
LG	PROC		ERP-C-1300-4	0000	UFFSITE SAMPLE ANALYSIS REQUESTS	09/23/94		
LQ	FRUC	CRP	EKP-C-1300-5	0001	DETERMINATION OF PROTECTIVE ACTION	11/02/98		
LG	PROC		FRR C 1000 0		RECOMMENDATIONS (PARS)			
		ERP	ERP-C-1300-6	0001	DOSE ASSESSMENT GROUP INITIAL ACTIONS	04/10/98		
LG	PROC	ERP	ERP-C-1300-7	0000	OBTAINING EPDS MET/RAD DATA	03/26/97		
	PROC	ERP	ERP-C-1300-8	0000	USE OF MODE A/MODE B CDM	03/26/97		
	PROC	ERP	ERP-C-1300-9	0001	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE	09/12/97		
LG	PROC	ERP	ERP-C-1310	0003	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT GROUP	03/26/07		
					CANCELLED	00/20/9/		
LG	PROC	ERP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS	02/26/07		
					CANCELLED	03/20/9/		
LG	PROC	ERP	ERP-C-1310-2	0000	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS DOSE ASSESSMENT TURNOVER LIST PROTECTIVE ACTION RECOMMENDATION WORKSHEET OFFSITE SAMPLE ANALYSIS REQUESTS DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS (PARS) DOSE ASSESSMENT GROUP INITIAL ACTIONS OBTAINING EPDS MET/RAD DATA USE OF MODE A/MODE B CDM OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT GROUP CANCELLED DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS CANCELLED OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED OBTAINING FEDS MET(FAD, DATA	02/26/07		
					CANCELLED	03/26/9/		
LG	PROC	ERP	ERP-C-1310-3	0000	CANCELLED OBTAINING EPDS MET/RAD DATA	00/00/07		
				·	CANCELLED	03/26/97		

0005 EMERGENCY OPERATIONS FACILITY (EOF) FIELD SURVEY GROUP LEADER

03/26/97

04/10/98

04/10/98

03/26/97

09/23/94

11/02/98

11/02/98

09/09/98

09/14/94

1

.

PAGE 2

٠

PROCEDURE INDEX REPORT:

				CURR	TITLE HYDROGEN CONCENTRATION DATA CONTAINMENT RADIATION MONITOR DATA METAL WATER REACTION PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT VS. APPROXIMATE SOURCE AND DAMAGE ESTIMATE PROCEDURES FOR ESTIMATING FUEL DAMAGE BASED ON MEASURED 1-131 AND XE-133 CONCENTRATIONS HELICOPTER LANDING INFORMATION MESSAGE AND INFORMATION INSTRUCTIONS HELICOPTER LANDING INFORMATION RECOVERY PHASE IMPLEMENTATION RECOVERY PLAN OUTLINE ASSESSMENT CONSIDERATIONS CLASSIFICATION OF EMERGENCIES LGS EAL TECHNICAL BASIS MANUAL WRITTEN SUMMARY NOTIFICATION STATION EVACUATIONS STAFING AUGMENTATION STAFING AUGMENTATION EMERGENCY NOTIFICATION STAFING SUBPORT CENTER (OSC) DIRECTOR CLASSIFICATION OF EMERGENCIES LGS EAL TECHNICAL BASIS MAUGH AUGMENTATION EMERGENCY NOTIFICATION STAFING AUGMENTATION EMERGENCY DISTECTOR (ED) RESPONSE EMERGENCY NOTIFICATION MESSAGE FORM OPERATIONS SUPPORT CENTER (OSC) DIRECTOR CLASSIFICATION SUPPORT CENTER (OSC) DIRECTOR CLASSIFICATION SUPPORT CENTER (OSC) DIRECTOR CLASSIFICATION SUPPORT CENTER (OSC) DIRECTOR DUBLICATIONS SUPPORT CENTER (OSC) DIRECTOR CANCELLED MUSE OF NORTH STACK-DOSE RATE TO ESTIMATE RELEASE SOURCE TERM DIRECTORY DISTECTORS (ED) RESPONSE EMERGENCY DISTECTORS (ED) RECOVERSION FACTORS SUPPORT TERMALYSIS OF HIGH ACTIVITY SAMPLES EMERGENCY DISTECTORS (ED) RECOVERSION FACTORS SUPPORT TERMALYSIS OF HIGH ACTIVITY SAMPLES SUPPORT ADALESANCE MEMIL PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE GAS SAMPLE PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE GAS SUPPO			
	DOC	PROC		REV		FFFFCTIVE	RESD	SVSTEM
FAC	TYPE	TYPE	PROCEDURE NUMBER	NBR	TITLE	DATE	GROUP	NBR
LG	PROC	ERP-	ERP-C-1410-2	0001	HYDROCEN CONCENTRATION DATA			
LG	PROC	ERP	ERP-C-1410-3	0001	CONTAINMENT RATION MONITOR DATA	09/09/98		
LG	PROC	ERP	ERP-C-1410-4	0000	METAL WATER REACTION	09/09/98		
					CANCELLED	08/08/86		
LG	PROC	ERP	ERP-C-1410-5	0001	PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT VS.	09/09/98		
16	DDOC	FOD	EBB-C-1410-6	0001	APPROXIMATE SOURCE AND DAMAGE ESTIMATE			
Lu	FRUC	LAP	EKF-C-1410-6	0001	TELE AND YEARS FOR ESTIMATING FUEL DAMAGE BASED ON MEASURED	09/09/98		
LG	PROC	ERP	ERP-C-1500	0005	I OGISTIC SUDDOT TEAM			
LG	PROC	ERP	ERP-C-1500-1	0001	MESSAGE AND INFORMATION INSTRUCTIONS	04/02/98		
LG	PROC	ERP	ERP-C-1500-2	0001	HELICOPTER LANDING INFORMATION	10/24/95		
LG	PROC	ERP	ERP-C-1900	0004	RECOVERY PHASE IMPLEMENTATION	10/24/95		
LG	PROC	ERP	ERP-C-1900-1	0000	RECOVERY PHASE IMPLEMENTATION FLOW CHART	06/28/93		
LG	PROC	ERP	ERP-C-1900-2	0002	PEACH BOTTOM ATOMIC POWER STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98		
LG	PROC	ERP	ERP-C-1900-3	0002	LIMERICK GENERATING STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98		
	PRUC	ERP	ERP-C-1900-4	0002	RECOVERY PLAN OUTLINE	04/02/98		
LG	PROC	FRD	ERP-C-1900-5 FDD-101	0002		12/28/99		
ĹĞ	PROC	ERP	ERP-101 BASES	0000	LASSIFICATION OF EMERGENCIES	09/14/99	LWE	
LG	PROC	ERP	ERP-106	0003	WRITEN SUMMARY NOTECATION	09/16/99		
LG	PROC	ERP	ERP-110	0030	EMERGENCY NOTFICATION	11/22/95	LWE	
LG	PROC	ERP	ERP-120	0006	STATION EVACUATIONS	11/14/99		
LG	PROC	ERP	ERP-140	0009	STAFFING AUGMENTATION	02/03/98		
LG	PROC	ERP	ERP-200	0012	EMERGENCY DIRECTOR (ED) RESPONSE	10/05/98	LWE	
LG	PROC	ERP	ERP-200-1 APP	0010	EMERGENCY NOTIFICATION MESSAGE FORM	10/05/98	LWE	
1.6	PROC	FDD	ERP-230 EPD-300	0013	DERALIONS SUPPORT CENTER (OSC) DIRECTOR	05/14/99	LWE	
LĞ	PROC	ERP	EBP-330	0021	ISE OF NORTH STACK-DOSE DATE TO FETTMATE OF FACE ADDRESS	10/18/99	LWE	
				0000	CANCELLED INCORPORATED INTOEPD=300 APD 10	11/14/94	LWE	
LG	PROC	ERP	ERP-340	0007	FIELD SURVEY GROUP	02/01/00		
LG	PROC	ERP	ERP-350	0003	RADIOACTIVE LIQUID RELEASE	11/10/94		
					CANCELLED	11710734		
LG	PROC	ERP	ERP-360	0003	ADJUSTMENT OF WIDE RANGE GAS MONITOR CONVERSION FACTORS	10/18/99	LWE	
LU	PRUC	ERP	ERP-370	0001	USE OF RMMS FOR DOSE ASSESSMENT	11/10/94	LWE	
IG	PROC	FRP	EPP-400	0012	CANCELLED			
LĞ	PROC	ERP	ERP-410	0012	CHEMISIRY SAMPLING AND HANALYSIS TEAM	09/28/98	LWE	
				0002	SAMPLE FREPARATION AND HANDLING OF HIGHLY RADIOACTIVE LIQUID	09/28/98	LWE	
LG	PROC	ERP	ERP-420	0002	SAMPLE PREPARATION AND HANDIING OF HIGHLY PADIOACTIVE			
					PARTICULATE FILTERS AND LODINE CARTRIDGES	09/28/98	LWE	
LG	PROC	ERP	ERP-430	0002	SAMPLE PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE GAS	00/29/09		
					SAMPLES	03/20/30		
LG	PROC	ERP	ERP-440	0002	OFF-SITE ANALYSIS OF HIGH ACTIVITY SAMPLES	03/29/95	LWE	
1.6	PROC		EKY-500	0015	SECURITY TEAM	09/24/97	LWE	
IG	PROC	FRD	ERF-600 ERP-620	0012	MEALTH PHYSICS TEAM	05/19/98	LWE	
				0002	CANCELLED - NO DEDLACEMENT	05/02/95	LWE	
LG	PROC	ERP	ERP-630	0003	VEHICLE AND EVACUEE CONTROL GROUP	00/00/0-		
LG	PROC	ERP	ERP-640	0008	EMERGENCY RESPONSE FACILITY HABITARTITY	03/29/95		
LG	PROC	ERP	ERP-650	0009	ENTRY FOR EMERGENCY REPAIR AND OPERATIONS	04/17/99		
						5-7 (7733	- 11 -	

PECO ENERGY COMPANY LIMERICK GENERATING STATION

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
LG LG LG	PROC PROC PROC	ERP	ERP-660 ERP-700 ERP-800	0006 DISTRIBUTION OF THYROID 0014 TECHNICAL SUPPORT TEAM 0018 MAINTENANCE TEAM	BLOCKING TABLETS	04/17/99 10/05/98 09/14/99	LWE LWE LWE	

** END OF REPORT **

f