

PROC RVSD	PROCEDURE NUMBER	REV. NO.	TITLE	DATE OF LAST		RESP GROUP
				DATE SIGNED	PERIODIC REVIEW	
	ERP-101	3	Classification of Emergencies	12/30/93	04/03/92	EP
	ERP-106	2	Written Summary Notification	06/17/94	04/03/92	EP
1	ERP-110	11	Emergency Notification	06/20/94	04/03/92	EP
	ERP-120	3	Station Evacuations	12/07/93	04/03/92	EP
	ERP-140	5	Staffing Augmentation	07/22/93	04/03/92	EP
	ERP-200	4	Emergency Director (ED) Response	02/14/94	04/03/92	EP
	ERP-200-1 APP	3	Emergency Notification Message Form	09/21/93	04/03/92	EP
	ERP-230	1	Operations Support Center (OSC) Coordinator	09/23/93	04/03/92	EP
	ERP-300	9	TSC/WCR Dose Assessment Team	01/28/94	04/03/92	EP
	ERP-330	0	Use of North Stack-Dose Rate to Estimate Release Source Term	04/03/92	04/03/92	EP
	ERP-340	4	Field Survey Group	12/30/93	04/03/92	EP
	ERP-350	3	Radioactive Liquid Release	06/17/94	04/03/92	EP
	ERP-360	1	Adjustment of Wide Range Gas Monitor Conversion Factors	05/12/93	04/03/92	EP
	ERP-370	1	Use of RMS for Dose Assessment	05/12/93	04/03/92	EP
	ERP-400	7	Chemistry Sampling and Analysis Team	09/24/93	04/03/92	EP
	ERP-410	1	Sample Preparation and Handling of Highly Radioactive Liquid Samples	11/12/92	04/03/92	EP
	ERP-420	1	Sample Preparation and Handling of Highly Radioactive Particulate Filters and Iodine Cartridges	11/12/92	04/03/92	EP
	ERP-430	1	Sample Preparation and Handling of Highly Radioactive Gas Samples	11/12/92	04/03/92	EP

PROC RVSD	PROCEDURE NUMBER	REV. NO.	TITLE	DATE SIGNED	DATE OF LAST PERIODIC REVIEW	RESP GROUP
	ERP-440	1	Off-Site Analysis of High Activity Samples	11/09/92	04/03/92	EP
	ERP-500	8	Security Team	03/24/94	04/03/92	EP
	ERP-600	7	Personnel Safety Team	06/15/94	04/03/92	EP
	ERP-620	2	Plant Survey Group	06/15/94	04/03/92	EP
	ERP-630	2	Vehicle and Evacuee Control Group	06/15/94	04/03/92	EP
	ERP-640	5	Emergency Response Facility Habitability	06/15/94	04/03/92	EP
	ERP-650	4	Entry for Emergency Repair and Operations	06/15/94	04/03/92	EP
	ERP-660	3	Distribution of Thyroid Blocking Tablets	12/30/93	04/03/92	EP
	ERP-700	7	Technical Support Team	09/23/93	04/03/92	EP
	ERP-800	7	Damage Repair Team	02/14/94	04/03/92	EP

NUMBER OF PROCEDURES -- 28

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	ERP-230	1	Operations Support Center (OSC) Coordinator	09/23/93	04/03/92	EP
1	ERP-300	10	TSC/MCR Dose Assessment Team	06/22/94	04/03/92	EP
	ERP-330	0	Use of North Stack-Dose Rate to Estimate Release Source Term	04/03/92	04/03/92	EP
	ERP-340	4	Field Survey Group	12/30/93	04/03/92	EP
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	ERP-650	4	Entry for Emergency Repair and Operations	06/15/94	04/03/92	EP
	ERP-660	3	Distribution of Thyroid Blocking Tablets	12/30/93	04/03/92	EP
	ERP-700	7	Technical Support Team	09/23/93	04/03/92	EP
	ERP-800	7	Damage Repair Team	02/14/94	04/03/92	EP

NUMBER OF PROCEDURES -- 28

PECO ENERGY COMPANY
LIMERICK GENERATING STATION
EMERGENCY RESPONSE PROCEDURE

Robert W. Boyer
6/22/94

ERP-300 TSC/MCR DOSE ASSESSMENT TEAM

1.0 RESPONSIBILITIES

- 1.1 Health Physics Technician On-Shift performs dose assessment activities as necessary or until relieved by the TSC Dose Assessment Team Leader.
- 1.2 Dose Assessment Team Leader (DATL) coordinates activities of Dose Assessment and Field Survey Groups AND advises Emergency Director on Protective Action Recommendations based on dose projections.
- 1.3 Dose Assessment Team performs dose projection calculations and Field Survey activities

2.0 INITIAL ACTIONS

NOTE: IMPLEMENTATION OF THIS PROCEDURE DOES NOT CONSTITUTE IMPLEMENTATION OF THE EMERGENCY PLAN.
--

2.1 Health Physics Technician On-Shift shall:

- 2.1.1 Complete ERP-300-4, Dose Assessment Data Sheet
- 2.1.2 IF unmonitored release in progress
THEN determine wind direction
AND request Personnel Safety Team Leader/Plant Survey Group Leader dispatch field survey team to downwind locations.
 - 2.1.2.1 IF unmonitored release point is North Stack
THEN perform ERP-300-9.
- 2.1.3 Perform start-up of equipment per ERP-300-5.
 - 2.1.3.1 IF equipment failure occurs,
THEN using a D1512 key, relocate to TSC Dose Assessment Room.
- 2.1.4 If effluent release monitor is in alarm condition, perform common dose model projections per ERP-300-5.
- 2.1.5 Review results of dose projections with the Shift Manager (ED).

- 2.1.5.1 IF maximum off-site TPARD projection is greater than or equal to .057 mR/hr,
OR, max child thyroid CDE (CH THY CDE) equal to or greater than .170 Mrem/hr,
THEN notify Shift Manager (ED)
immediately.
- 2.1.5.2 IF PAR other than "No Action Required" is determined
OR if requested by Shift Manager (ED)
THEN complete dose assessment portion of ERP-300-8
AND forward to Shift Manager (ED).
- A. IF PAR other than "No Action Required" is determined
AND the PAR for the next band further from the plant
IS "No Action Required"
THEN extend determined PAR to include downwind sectors in next band and adjacent downwind sectors.
- 2.1.6 IF release rate
OR meteorological conditions change substantially
THEN repeat section 2.1 of this procedure.
- 2.1.7 WHEN contacted by TSC Dose Assessment Team Leader
THEN provide turnover using Appendix ERP-300-3.
- 2.2 TSC Dose Assessment Team Leader shall:
- 2.2.1 Upon notification that Dose Assessment Team is to be activated implement Appendix ERP-300-1, Dose Assessment Team Activation.
- 2.2.2 Direct Dose Assessment Team to complete Appendix ERP-330-2.
- 2.2.3 Report problems and deficiencies to the Emergency Planning Coordinator.
- 2.2.4 Obtain wind speed and wind direction and report results from the Emergency Director.
- 2.2.5 Brief Dose Assessment Team.
- 2.2.6 Inform the Field Survey Group Leader if the projected dose ratio > 1.

NOTE: TURNOVER OF DOSE ASSESSMENT RESPONSIBILITIES TO THE TSC DOSE ASSESSMENT TEAM SHALL OCCUR WHEN THE TSC DOSE ASSESSMENT TEAM IS ASSEMBLED AND READY REGARDLESS OF TSC ACTIVATION
--

- 2.2.7 When TSC Dose Assessment Team is ready to assume dose assessment responsibilities
THEN:
- 2.2.7.1 Contact interim Dose Assessment Team Leader in the Control Room (Ext 2129)
 - 2.2.7.2 Review turnover per ERP-300-3
 - 2.2.7.3 Assume all Dose Assessment responsibility
 - 2.2.7.4 Inform the ED and Shift Manager that Dose Assessment turnover is complete
- 2.2.8 Direct Dose Assessment Team to perform dose projections and calculations as necessary.
- 2.2.9 Review results of dose projections.
- 2.2.9.1 IF maximum off-site TPARD projection is greater than or equal to .057 mR/hr,
OR max child thyroid CDE (CH THY CDE) equal to or greater than .170 Mrem/hr,
THEN notify Shift Manager (ED) immediately.
 - 2.2.9.2 IF PAR other than "No Action Required" is determined
OR if requested by Emergency Director
THEN complete dose assessment portion of ERP-300-8
AND forward to Emergency Director.
 - A. IF changing Met or Rad conditions cause any information on a previously completed PAR worksheet to be incorrect or incomplete,
THEN complete Section I of a new PAR worksheet and forward to the Emergency Director for completion of Section II.
 - B. IF PAR other than "No Action Required" is determined
AND the PAR for the next band further from the plant IS "No Action Required"
THEN extend determined PAR to include downwind sectors in next band and adjacent downwind sectors.

- 2.2.10 Determine appropriate site evacuation area and route.
- 2.2.11 IF directed by Emergency Director,
THEN perform duties of HPN Communicator per ERP-600.
- 2.2.12 IF notified that Field Survey Group Members (FSGM) MPC-hr iodine exceeds 850 DAC hours
OR is projected to exceed 950 DAC hours
THEN rotate teams
OR initiate actions to issue KI to field teams per ERP-660.
- 2.2.13 IF notified by Field Survey Group Leader (FSGL) that offsite iodine concentration exceeds 6.5×10^7 uCi/cc
THEN calculate child thyroid dose commitment
Dose Rate = 1.94×10^{-9} x Iodine Conc. (uCi/cc)
AND notify ED of General Emergency condition.
- 2.2.14 IF notified by FSGL that offsite dose rate equals or exceeds 250 mr/hr
THEN notify ED of General Emergency condition.

NOTE: THE FOLLOWING PROTECTIVE MEASURE SHOULD BE CONSIDERED ONLY AFTER SAMPLE DATA VERIFIES THE PRESENCE OF IODINE
--

- 2.2.15 IF projected or actual iodine deposition is greater than 0.13 uCi/m^2 (1.5 Rem ingestion dose)
THEN inform ED to recommend sheltering all lactating dairy animals and putting them on stored feed and water.

NOTE: THE FOLLOWING PROTECTIVE MEASURE SHOULD BE CONSIDERED ONLY AFTER FIELD SURVEY DATA INDICATING IODINE DEPOSITION IS RECEIVED AND VERIFIED
--

- 2.2.16 IF notified that actual field samples indicate iodine deposition $>1.3 \text{ uCi/m}^2$
THEN inform ED to recommend to state.
- 2.2.16.1 Isolate contaminated food products and prevent introduction into commerce.
- 2.2.16.2 Determine whether condemnation or other disposition is appropriate after consideration of food products in question.

2.3 Dose Assessment Team Members shall:

2.3.1 Complete check-off list on Appendix ERP-300-2.

NOTE: MORE COMPLETE OPERATING INSTRUCTIONS FOR COMMON DOSE MODEL ARE LOCATED IN IMPELL MESOREM JR. USERS MANUAL LOCATED IN THE DOSE ASSESSMENT ROOM.

2.3.2 IF release rate
OR meteorological conditions change
THEN Rerun Auto Mode A per ERP-300-5
OR run Mode A by editing data files.

3.0 CONTINUING ACTIONS

3.1 Dose Assessment Team Leader shall:

NOTE: TRANSFER OF DOSE ASSESSMENT RESPONSIBILITY FROM TSC TO EOF SHALL BE PERFORMED UPON AGREEMENT OF EMERGENCY DIRECTOR, EMERGENCY RESPONSE MANAGER AND DOSE ASSESSMENT TEAM LEADERS AT BOTH TSC AND EOF.

3.1.1 WHEN contacted by EOF Dose Assessment Team Leader perform turnover using ERP-300-3

NOTE:

1. AFTER TURNOVER TO EOF DATL, ALL DOSE ASSESSMENT COMMUNICATION SHOULD BE DIRECTED TO EOF DOSE ASSESSMENT GROUP LEADER.
2. AFTER TURNOVER TO EOF, TSC DAT NEED NOT MAINTAIN FULL STAFFING.
3. AFTER TURNOVER TO EOF, ALL DOSE ASSESSMENT INFORMATION SHOULD BE DISSEMINATED FROM EOF (REF 6.5.1)

3.1.2 Upon activation of the EOF Dose Assessment Team the TSC dose assessment team shall support EOF activities by:

3.1.2.1 Maintaining Team awareness of Plant Condition.

3.1.2.2 Assist EOF Dose Assessment Group Leader in performance of duties.

- 3.1.2.3 IF EOF Emergency Response Facility Data
System fails
THEN provide Met and Rad Data to the EOF
Dose Assessment Team.

3.2 Dose Assessment Team shall:

- 3.2.1 Update Dose Assessment Team Leader of significant
changes in radiation or meteorological parameters.

NOTE: UPDATE STATUS BOARD WITH EOF DOSE ASSESSMENT DATA WHEN EOF IS ACTIVATED
--

- 3.2.2 Maintain Status Board.

4.0 FINAL CONDITIONS

- 4.1 The ED has determined that the TSC Dose Assessment Team
functions are no longer required.

4.2 Submit NRMS:

- 4.2.1 Plume Exposure Pathway Calculation

5.0 APPENDICES

- 5.1 ERP-300-1, Dose Assessment Team Activation
- 5.2 ERP-300-2, Dose Assessment Team Check-off List (COL)
- 5.3 ERP-300-3, Turnover of Dose Assessment Responsibilities
- 5.4 ERP-300-4, Dose Assessment Data Sheet
- 5.5 ERP-300-5, Use of Common Dose Model Auto Mode A
- 5.6 ERP-300-6, Obtaining Rad/Met Data Rad Data
- 5.7 ERP-300-7, Obtaining Met Data from National Weather Service
- 5.8 ERP-300-8, Protective Action Worksheet
- 5.9 ERP-300-9, Use of North Stack Dose Rate to Estimate Release
Source Term
- 5.10 ERP-300-10, Operation of IBM PS/2 Model L40SX
- 5.11 ERP-300-11, Mesorem DBA Menu

6.0 SUPPORTING INFORMATION

6.1 Purpose

- 6.1.1 To provide guidelines for activation of Dose Assessment Team and transfer of Dose Assessment functions.

6.2 Criteria for Use

- 6.2.1 This procedure shall be implemented to perform off-site dose calculations.

6.3 Special Equipment

- 6.3.1 Mesorem Jr - Common Dose Model
- 6.3.2 RM-11

6.4 References

- 6.4.1 Impell Mesorem Jr Users Manual
- 6.4.2 Impell Mesorem Jr Technical Manual
- 6.4.3 ERP-350 - Liquid Release Dose Calculation
- 6.4.4 ERP-360 - Adjust of Wide Range Gas Monitor Conversion Factor
- 6.4.5 ERP-340 - Field Survey Group
- 6.4.6 Reg. Guide 1.109
- 6.4.7 EPA400-R-92-001 Oct. 1991, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents

6.5 Commitment Annotation

- 6.5.1 Action Item Q0003303 (Section 3.1.1 NOTE)
- 6.5.2 OEAP A0370948-AE02 (Entire Procedure)
- 6.5.3 PEP Issue I0001344 (Appendix ERP-300-5)
- 6.5.4 PEP Issue I0002329 (Appendix ERP-300-5, Step 5)

APPENDIX ERP-300-1
DOSE ASSESSMENT TEAM ACTIVATION
(PAGE 1 of 1)

1.0 IF contacted by pager,
THEN respond to code as follows:

1.1 Call autodialer at 1-800-MAGENTA (1-800-624-3682)

NOTE: PAGER CODES ARE AS FOLLOWS:

6611 - CALL IN PAGER TEST
6622 - CALL IN AND RESPOND DRILL
6633 - CALL IN EMERGENCY

1.2 IF autodialer is busy,
THEN callback autodialer after a short wait.

1.3 IF autodialer does not provide prompts,
THEN call LGS ASPEN,
AND enter "4#",
AND follow prompts.

2.0 IF contacted by autodialer callout,
THEN follow prompts,
AND respond as required.

APPENDIX ERP-300-2
DOSE ASSESSMENT TEAM CHECK-OFF LIST (C.O.L.)
(Page 1 of 1)

		VERIFIED BY	TIME
1.	Sign-in at the facility		
2.	Ensure all equipment turned on		
3.	Complete ERP-300-4 (Dose Assessment Data Sheet)		
4.	Ensure signs indicate proper team in control		
5.	DAT staffing adequate		
6.	Determine Site Evacuation Area (Cromby or Airport) Circle on all display maps		
7.	Call National Weather Service for extended forecast at: 1-609-261-6603		
8.	Notify Bureau of Radiation Protection (BRP) of plant status (Prelude green Ext 139)		
9.	Status of Standby Gas Treatment Systems		
10.	Notify DATL of checklist completion		

APPENDIX ERP-300-3
TURNOVER OF DOSE ASSESSMENT RESPONSIBILITIES
(Page 1 of 1)

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. (Potential) release type (ground, elevated)
7. Method(s) used to calculate doses _____
8. Source term basis _____
9. Results of dose calculations, based on dose projections,
Protective Action Recommendations:

10. Field Survey Group Leader turnover completed? Y/N
11. Phone # where "relieved" Dose Assessment Team Leader can be
reached _____
12. For turnover MCR to TSC only is Autodialer collection mode
of Common Dose Model operable? Y/N

IF no, Shift Dose Assessment Tech shall remain in
Control Room after turnover to provide data to TSC
OR TSC shall obtain data from RMMS.

Completed By

Date/Time

APPENDIX ERP-300-4
DOSE ASSESSMENT DATA SHEET
(Page 1 of 1)

Time _____

1. Current Emergency Classification

UNUSUAL EVENT	ALERT	SITE AREA	GENERAL
(CIRCLE ONE)			

2. Obtain Design Basis Accident from Technical Support Team/Operations _____

3. Obtain Release Duration from Technical Support Team/Operations _____ Hrs.

4. Obtain Release point from Technical Support Team/Operations

UNMONITORED	NS	SS1	SS2
(CIRCLE ONE)			

5. Obtain time of Reactor Shutdown from Technical Support Team/Operations _____

6. Standby gas treatment system running? _____

Y/N

Obtain the following information if available. If not available, use the default "UNKNOWN" option at the Dose Model prompt.

FOR NORTH STACK RELEASE ONLY:

7. Is the release processed through SBT? _____

Y/N

8. SGTS iodine efficiency? _____

%

9. Is release process through RERS? _____

Y/N

10. RERS iodine efficiency? _____

%

FOR NORTH OR SOUTH STACK RELEASE:

11. Is release from Drywell Atmosphere/Supp Pool Atmosphere or other _____

12. If (11) is D/W, are D/W Sprays ON/OFF? _____

13. If (11) is Pool, is Pool Atmosphere Saturated/Subcooled? _____

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1. Logon to CDM using proper password and user I.D.

	<u>CONTROL ROOM</u>	<u>TSC</u>
PASSWORD:	MCR	TSC
USER I.D.:	111111	222222

2. Read PQ help screen
AND Press any key to continue.
3. From Mode A or Auto A Menu choose;
 - a. 13 -- Auto Mode A - Initiate automatic data collection
4. Choose DBA from Accident Menu

NOTE: CHOOSE DEMIN BACKWASH DBA WHEN CALCULATING OFFSITE DOSE RESULTING FROM ANY BACK WASH RELEASES. (REF. 6.5.3)
--

5. Answer the following prompts:

```
*****
*                                     *
*                               CAUTION:                               *
*                                     *
*   FOR AUTO MODE A, TIME OF RELEASE = TIME OF HI ALARM              *
*   ANNUNCIATION PLUS 15 MINUTES.                                     *
*                                     *
*****

*****
*                                     *
*                               CAUTION:                               *
*                                     *
* IN THE EVENT THAT MULTIPLE ALARMS OCCUR OVER A SHORT PERIOD OF    *
* TIME, PERFORM A DOSE PROJECTION FOR EACH ALARM (ADDING IN THE      *
* 15-MIN) AND USE THE DOSE PROJECTION THAT PROVIDES THE HIGHEST      *
* OFFSITE DOSE RATE FOR EAL DETERMINATION. (Ref 6.5.4)              *
*                                     *
*****
```

- a. Obtain time of Hi Alarm from Shift Supervision.
- b. Enter the calculated time of the release in military
format (e.g. 23:04) (Current system time =<ENTER>=
00:00):
- c. Enter the date of the release in standard format
(e.g. 01/06/99). (Current system time =<ENTER>=
00/00/00):
- d. Night or Day?
(N or D, <ENTER> = D):
- e. Adverse Weather or Normal Weather?
(A or N, <ENTER> = N):

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- f. Enter estimated release duration.
(Make sure a colon ":" separates the hours and minutes)
(00:01 to 999:00, <ENTER>= 4: 0) <

NOTE: TO USE AUTO MODE A THE FOLLOWING PROMPT MUST BE ANSWERED "Y", OTHERWISE, YOU WILL BE PROMPTED TO SWITCH TO FAST MODE A. (AUTO DATA COLLECTION CANNOT HAPPEN FOR A RELEASE THAT HAS NOT YET OCCURRED).

- g. Has the release been in progress?
(Y or N, <ENTER>= N): Y
- n. Time the release has been in progress.
(Make sure a colon ":" separates the hours and minutes)
(Format is (HH:MM), <ENTER>= 0: 0) <
- i. When did the reactor reach 0% power?
1. Date =<ENTER>= 09/23/93:
 2. Time in 24 hour format =<ENTER>= (00:00)
Time since reactor shutdown will be displayed.
- j. Do you wish the model to account for wet disposition?
(Y or N, <ENTER>= N):

NOTE: METEOROLOGICAL AND RADIOLOGICAL DATA FOR THE TIME IN QUESTION WILL BE DISPLAYED. ANY OF THIS DATA CAN BE EDITED BY THE USER. ANY DATA MARKED WITH A CHECK MARK (✓) TO THE LEFT IS BAD DATA AND WILL NOT BE USED BY THE SYSTEM. THE BAD DATA MARK CAN BE REMOVED BY PRESSING ALT-B WITH THE CURSOR ON THAT DATA. THIS WILL CAUSE THE PROGRAM TO USE THAT DATA AS GOOD DATA. DATA MARKED WITH AN "R" IS DATA THAT IS OUT OF RANGE. THIS DATA CANNOT BE USED BY THE PROGRAM AND MUST BE CORRECTED.

The Auto Mode A Screen is then displayed.

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k. View data and press F10 to continue.

1. If any of the data points are out of range, a warning will be displayed at the bottom of the screen and the cursor will go to the bad data point. This situation must be corrected before continuing.
2. If any met data points are displayed as "bad data", the backup sensor will be used by the program.
3. If rad data for the release point in question is bad, or if all of a particular met quantity is bad, Auto Mode A will cease and the operator will be forced to use Fast Mode A or Mode A.
4. IF Auto Data Collect is not operable, obtain met data from data logger using the primary channel if available and the secondary channel if primary channel unavailable. Record results on Appendix ERP-300-6.
5. If data logger is not available contact National Weather Service per ERP-300-7.
6. If auto data collect not operable, obtain Rad Data from RM-11 and record results on Appendix ERP-300-6 (Ref. 6.5.3).

L. Choose release point from release point menu.

1. Met Data that will be used will be displayed.

m. Enter whether isotopic breakdown is known or unknown at breakdown menu.

1. If unknown isotopic breakdown,
 - a. For LGS North Stack, (for SS, similar prompts, w/o SGTS)
 1. Do you want to calculate iodine concentration from iodine/noble gas ratio?
(Y of N, <ENTER>= Y):
 2. Is the release proceeded through SGTS?
(Y of N, <ENTER>= Y):
 3. Enter the current stand-by gas treatment efficiency.
Range is (.0000 to 99.99)
(<ENTER>= 99.97):

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NOTE: DEPENDING ON RELEASE POINT AND ANSWERS TO THESE PROMPTS, SEVERAL PROMPTS WILL APPEAR CONCERNING THE RELEASE PATH. THESE ARE USED TO DETERMINE THE NOBLE GAS TO IODINE RATIO AND ALL HAVE "UNKNOWN" AS AN OPTION. THIS PROMPT IS AN EXAMPLE:

IS THIS RELEASE FROM DRYWELL ATMOSPHERE, SUPPRESSION
CHAMBER ATMOSPHERE, OR OTHER?
(D, S, O, UNKNOWN = O <ENTER> = O):

2. If known isotopic breakdown,
 - a. Then choose from isotope mix menu:

Isotopic Mix in Percentages (%)
Isotopic Mix in Concentration (uCi/cc)
Isotopic Mix in Release Rate (uCi/sec)
 - b. How long after scram was the sample taken?
(Enter 00:00 if the sample was taken before the scram)
(Make sure a colon ":" separates the hours and minutes)
(Format is (HH:MM), <ENTER>= 0: 0):
 - c. Enter each noble gas and iodine isotope: (in units chosen at menu)
 - d. Enter total iodine concentration (uCi/cc).
Range is (.0000 to 1.0000E+08)
(<ENTER>= .0000):
 - e. Do you wish to enter additional isotopes?
(Y or N, <ENTER>= N): y
 - f. If answered "Y", additional isotopes may be entered.

NOTE: ADDITIONAL NUCLIDES MAY BE ENTERED BY SYMBOL, MASS NUMBER, AND RELEASE RATE IN UCI/CC. A MAXIMUM OF UP TO 33 NUCLIDES MAY BE ENTERED. ENTER THE SYMBOL UP TO 2 LETTERS AT THE FIRST PROMPT, THE ATOMIC WEIGHT UP TO 3 DIGITS AT THE SECOND PROMPT ALONG WITH THE CHARACTER "M": IF THE NUCLIDE IS IN THE METASTABLE STATE.

(I.E. XE ← AT THE FIRST PROMPT
133M ← AT THE SECOND PROMPT)

(<ENTER>= .0000):

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- g. Enter the nuclide symbol. (<ENTER>= No other radionuclides):
- h. Enter nuclide mass number, including M for metastable:
- i. Enter the amount of release in uCi/cc.
Range if (.0000 to 1.0000E+20)
- j. View isotopic breakdown.
- 3. Would you like an automatic dump to the printer?
(Y or N, <ENTER>= Y):
Output will be produced designated location.
- 4. Will this be an simultaneous release?
(Y or N, <ENTER>= N):
- 5 Receptor Display Menu will appear.

NOTE: THESE OPTIONS ARE SELF EXPLANATORY EXCEPT FOR F7 RECEPTOR INFORMATION. THIS OPTION GIVES THE OPPORTUNITY TO DISPLAY ALL INFORMATION FOR A PARTICULAR RECEPTOR.

TPARD = TOTAL PROTECTIVE ACTION RECOMMENDED DOSE =
EXTERNAL DOSE + ADULT CEDE + 4 DAY.

4DAY = SHINE DOSE FROM 4 DAYS' EXPOSURE TO GROUND
DEPOSITION FROM RELEASE.

PAT = PLUME ARRIVAL TIME

DOSE RATIO = RATIO OF EXTERNAL DOSE + CEDE (TEDE) TO
EXTERNAL DOSE. THIS RATION GIVES A METHOD
TO ESTIMATE TEDE FROM EXTERNAL DOSE (DRD
READING). USED PRIMARY FOR FIELD TEAM'
DOSE ESTIMATION.

APPENDIX ERP-300-6
OBTAINING RAD/MET DATA RAD DATA
(Page 1 of 1)

1. Determine Rad Data to complete Data Sheet below:
 - A. Complete steps 2 thru 7 to obtain data from RM-11
 - OR
 - B. Use other available sources
2. Depress Grid 1
3. Depress 4 digits of Channel code for Release Point of interest.
Example. North Stack Channel 4TE076-Depress 4076
4. Depress SEL key - observe white square framing on selected channel.
5. Depress trend 10 min. key
6. Read stack flow rate (PROC FLOW N)
7. Record last 10 min trend value for the appropriate release point(s).

NORTH STACK	
4TE076 _____ uci/sec	FLOW _____ scfm

U/1 SOUTH STACK	
3GE185 _____ uci/ml	FLOW _____ scfm
6GE185 _____ uci/ml	

U/2 SOUTH STACK	
3GE285 _____ uci/ml	FLOW _____ scfm
6GE285 _____ uci/ml	

8. Return to Step 2.1.2

MET DATA	
1	WIND SPEED _____ (MPH)
2	WIND DIRECTION _____ (DEG. FROM)
3	DELTA T _____
4	AMBIENT TEMP _____ (DEG.)

APPENDIX ERP-300-7
OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE
(Page 1 of 1)

1. Contact Philadelphia National Weather Service at
1-609-261-6603
2. Request Wind Speed _____
3. Request Wind Direction _____ °
4. Request Cloud Cover in tenths _____
5. Request Cloud Ceiling in feet _____
6. Request Ambient Temp _____ °F
7. Request Precipitation Rate in inches per hour _____ in/hr

APPENDIX ERP-300-B
PROTECTIVE ACTION WORKSHEET
(Page 1 of 1)

SECTION I

TO BE COMPLETED BY DOSE ASSESSMENT TEAM:

DATE _____ TIME _____ WINDSPEED _____ mph DIRECTION (FROM) _____ °

AFFECTED SECTORS AND SECTOR ON EITHER SIDE OF AFFECTED SECTOR _____

NOTE: IF COMMON DOSE MODEL RECOMMENDATION IS "PAR R" "RED" PAR SHALL BE INDICATED AS EVACUATE

DOSE ASSESSMENT RECOMMENDATIONS:

0-2 Miles _____ 2-5 Miles _____ 5-10 Miles _____

Ingestion Pathway Recommendations _____ Dose Ratio (CDM) _____

SECTION II

TO BE COMPLETED BY EMERGENCY DIRECTOR:

PLANT STATUS RECOMMENDATIONS: (ERP-101)

0-2 Miles _____ 2-5 Miles _____ 5-10 Miles _____

SECTION III

ACTIONS RECOMMENDED TO STATE:

AREA	PROTECTIVE ACTIONS	SECTORS
0-2 Miles		
2-5 Miles		
5-10 Miles		

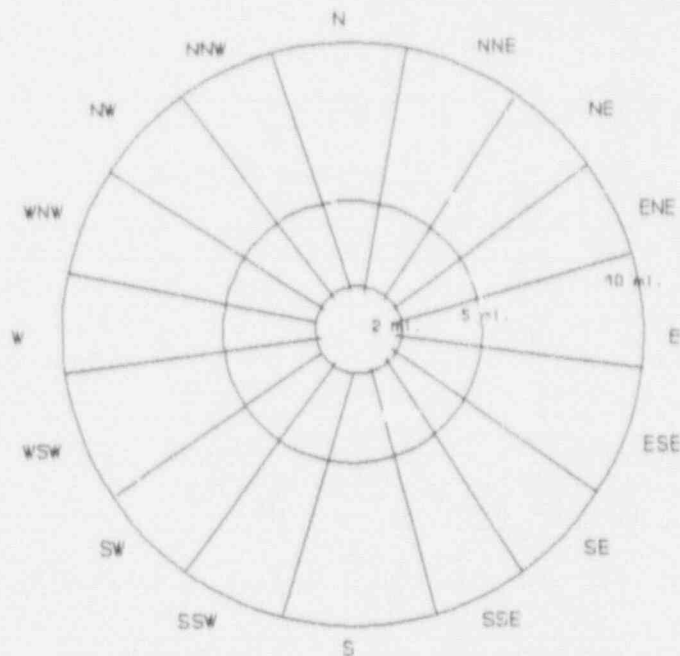
Ingestion Pathway Recommendations _____ Dose Ratio (CDM) _____

NOTES: 1. IF TOTAL PROJECTED TPARD IS LESS THAN 5 REM AND TOTAL PROJECTED CDE IS LESS THAN 25 REM SHELTER PAR MAY BE SUBSTITUTED FOR EVACUATE PAR FOR UNIQUE CIRCUMSTANCES (WEATHER/ROAD COND/ETC.)
2. INCLUDED AFFECTED SECTORS FROM PREVIOUS PAR IN ANY REVISED PAR.

MARK AFFECTED AREAS:

S - SHELTER

E - EVACUATE



COMPLETED BY/TIME _____ / _____

APPENDIX ERP-300-9

USE OF NORTH STACK DOSE RATE OF ESTIMATE RELEASE SOURCE TEAM
(Page 1 of 2)

1. IF North Stack Instrument Room dose rates exceed 5000 mr/hr per ARM# RE60-M1-0N0001 or alternate sampling of North Stack via ST-5-026-580-0 cannot be performed.
THEN continue with this appendix.

* WARNING: *
*
*
*NOMAL ROUTE TO THE NORTH STACK GOES BY THE STANDBY GAS *
*TREATMENT SYSTEM AND ALONG THE NORTH STACK DUCTWORK. DOSE *
*SAVINGS MAY BE OBTAINED BY USING THE FUEL FLOOR ACCESS TO *
*THE SOUTH STACK LADDERS. CONSULT WITH PERSONNEL SAFETY TEAM *
*LEADER TO DETERMINE THE DESIRED ROUTE TO THE NORTH STACK. *

2. Plant Survey Group Members shall obtain North Stack Duct dose rate by standing on step #108 (painted neon orange, about 12 steps from Reactor Building roof elev. - 395') and holding the HP-220A probe on top inside rail of stairway facing duct.
3. Plant Survey Group Members shall report dose rate AND time of reading to Plant Survey Group Leader.
4. Plant Survey Group Leader shall report dose rate to Dose Assessment Team Leader.
5. Dose Assessment Team converts dose rate to release rate using ERP-300-10 Data Sheet.
6. Record results of Data Sheet Calculation on ERP-300-7.

APPENDIX ERP-300-9
USE OF NORTH STACK DOSE RATE TO ESTIMATE RELEASE SOURCE TERM
(Page 2 of 2)

DATA SHEET

- A. North Stack Dose rate : _____ mr/hr (A)
- B. Conversion factor : _____ Ci/mr/hr (B)
(see chart below)
- C. North Stack flow rate : _____ CFM (C)
(obtain flow rate from RM11 or Main Control Room)
- D. Deadtime Correction : _____ mr/hr (D)
 $A \times (1 + (A/1E5*))$
- E. Multiply B x D x 1E6** : _____ uCi (E)
- F. Divide E by 1.087E8*** : _____ uCi/cc (F)
- G. Multiply C x F x 472**** : _____ uCi/cc (G)

- *1E5 = conversion to percent deadtime in mr/hr
**1E6 = conversion Ci to uCi
***1.087E8 = volume of North Stack exposed to detector in cc's
****472 = conversion CFM to cc/sec

NORTH STACK CURIE CONTENT TO STACK DOSE RATE RATIO CONVERSION FACTOR TIME AFTER REACTOR SCRAM (HR)				
	0-<2	≥2-<4	≥4-<8	≥8-24
LOCA	0.088	0.120	0.120	0.254
SJAE	0.049	0.079	0.095	0.095
CRD	0.008	0.012	0.012	0.243
OTS	0.310	0.459	0.623	0.623
FHA	0.962	1.110	1.250	1.250
SLB	0.019	0.025	0.031	0.031
I WT	0.025	0.021*	0.041*	0.041
ILB	0.015	0.020*	0.025*	0.025
* Time periods for LRWT and ILB are 2 to 5 hours and 5 to 8 hours.				

APPENDIX ERP-300-10
OPERATION OF IBM PS/2 MODEL L40SX
(Page 1 of 1)

I. For A.C. Power Operation

- A) Move computer power switch to the "O" position (off).
- B) Ensure video output cable is inserted in video output port of the lap top.
- C) Ensure AC adapter cable is inserted in the AC adapter port and the AC adapter is plugged in to 120 volts.
- D) Turn on power switches for computer, printer and color monitor.

II. For Battery Operation

1. A.C Power Fail Operation

- A) Turn computer switch to "O" position (Off).
- B) Disconnect video output cable.
- C) Turn computer power switch to the "I" position (On).
- D) Computer will not operate with LCD.
- E) Printer will NOT operate.

2. Replacing Battery

- A) When low battery warning signal sounds and battery status ICON begins to flash, replace battery as follows:
 - 1. Close display, wait 10 seconds or until computer beeps.
 - 2. Open rear center compartment cover marked "Battery Inside".
 - 3. Remove battery by pulling blue ribbon while lifting blue tab located in upper left corner of compartment.
 - 4. Insert fully charged battery.
 - 5. Close center compartment cover.
 - 6. Open display and continue.

APPENDIX ERP-300-11
MESOREM DBA MENU

Loss-of-Coolant Accident
Instrument Line Break
Main Steam Line Break
Control Rod Drop Accident
Feedwater Line Break
Off-Gas Treatment System Failure
Air Ejector Line Failure
Liquid Radwaste System Failure
Fuel Handling Accident
Demin Backwash
Leave Accident Mer

PECO ENERGY COMPANY
LIMERICK GENERATING STATION
EMERGENCY RESPONSE PROCEDURE

Robert W. Baya

6/22/94

ERP-500 SECURITY TEAM

1.0 RESPONSIBILITIES

- 1.1 The Security Team Leader (STL) is responsible for:
Coordinating access control and personnel accountability;
Performing function of TSC Assembly Area Coordinator (when
TSC is activated); and Routine security response during an
emergency.
- 1.2 Access Control Group performs access control activities.
- 1.3 Accountability Group performs personnel accountability
activities.
- 1.4 Plant Security Group maintains plant security, issues
emergency dosimetry to offsite support personnel, and
assists in the evacuation of personnel and personnel
accountability.
- 1.5 Corporate Security Representative maintains liaison with law
enforcement agencies and provides manpower and assistance as
required.

2.0 INITIAL ACTIONS

- 2.1 On Duty Shift Security Coordinator shall:
 - 2.1.1 Perform as on-duty Security Team Leader from the
TSC Building Security Area until relieved.
 - 2.1.2 Activate access control and accountability groups.
 - 2.1.3 Contact Corporate Security.
- 2.2 Security Team Leader shall:
 - 2.2.1 Obtain a briefing from the on-duty Shift Security
Coordinator.
 - 2.2.2 Establish and maintain current listing of security
posts.
 - 2.2.3 Report to the TSC.
 - 2.2.4 Check radio for operability.
 - 2.2.5 Direct activation of TSC exit lane.
 - 2.2.6 Ensure that security personnel are stationed at
appropriate personnel exit areas of the protected
area.

- 2.2.7 Perform duties of TSC Assembly Area Coordinator.
- 2.2.8 Notify Emergency Preparedness Coordinator when Security Team is ready.
- 2.2.9 IF informed by the Emergency Director that a Site Evacuation is imminent,
THEN perform the following:
 - 2.2.9.1 Ensure that the Access Control Group Leader assigns security personnel to the appropriate site access control points AND ensure access control group personnel have been dispatched to selected offsite assembly area.
 - 2.2.9.2 Immediately notify Emergency Director when Security groups are in position so that site evacuation can commence.
 - 2.2.9.3 Direct Accountability Group Leader to perform personnel accountability.
 - 2.2.9.4 Direct Access Control Group Leader to inform personnel of the following locations of the Site Evacuation declaration:
 - A. Warehouse
 - B. Site Management Building
 - C. Personnel Processing Center (PPC)
 - D. Information Center
 - E. Training Center
 - F. Facilities Shop/OE Shop
- 2.2.10 IF offsite security agency support is required, advise Emergency Director,
AND coordinate actions with the offsite agency.
- 2.2.11 Coordinate with the Personnel Safety Team Leader (PSTL) the need for any additional protective measures or restrictions that could apply to the onsite security forces (ref. ERP-500, Appendix 4).
- 2.2.12 Coordinate with PSTL for resources needed to support response to injured persons.

3.0 CONTINUING ACTIONS

3.1 Security Team Leader shall:

NOTE: TITLE 10 OF THE CODE OF FEDERAL REGULATIONS, SECTION 50.54 (X) AND (Y) PERMIT DEVIATION FROM A LICENSE CONDITION OR COMMITMENT, IN AN EMERGENCY, WHEN THIS ACTION IS NEEDED IMMEDIATELY TO PROTECT THE PUBLIC HEALTH AND SAFETY, AND WHEN IT IS NOT IMMEDIATELY APPARENT THAT AN ACTION CONSISTENT WITH LICENSE CONDITIONS AND TECHNICAL SPECIFICATIONS CAN PROVIDE ADEQUATE OR EQUIVALENT PROTECTION. ACTIONS TAKEN IN ACCORDANCE WITH THESE SECTIONS SHOULD BE INITIATED AND TERMINATED INDIVIDUALLY, TREATING EACH AS A SEPARATE OCCURRENCE. A WAIVER SHALL BE APPROVED, AS A MINIMUM BY A LICENSED SENIOR OPERATOR PRIOR TO TAKING THE ACTION.
(Ref 6.5.1)

- 3.1.1 Continually review status of the emergency.
- 3.1.2 Coordinate and oversee Security Team activities.
- 3.1.3 Periodically re-evaluate security situation and make appropriate recommendations to ED.
- 3.1.4 Implement LGS Plant Protection Procedures.
- 3.1.5 Ensure Security reports are documented and prioritize appropriately.
- 3.1.6 Ensure Corporate Security Personnel have been notified to assist as appropriate.

NOTE: CONSIDER ZONE TRACES AND INTERVIEWS WITH SUPERVISION AND CO-WORKERS TO FIND MISSING INDIVIDUALS

- 3.1.7 IF personnel are unaccounted for
THEN initiate searches as appropriate
AND obtain assistance from other groups as needed.

3.2 Access Control Group Leader shall:

- 3.2.1 Assign members of the Site Access Control Group from non-posted on duty security personnel to:
 - 3.2.1.1 Site access control points from Appendix ERP-500-3.
 - 3.2.1.2 Offsite assembly area for site evacuation.
- 3.2.2 Notify Security Team Leader (STL) when access control personnel are stationed.

- 3.2.3 Oversee activities of group and keep STL updated.
- 3.2.4 Notify STL of arrival of all government officials.
- 3.2.5 Obtain access authorization of non-authorized personnel from the Security Team Leader (STL) or Emergency Director (ED).

3.3 Access Control Group shall:

- 3.3.1 Obtain necessary equipment from security stocks.
 - 3.3.1.1 Radio
 - 3.3.1.2 Traffic vest
 - 3.3.1.3 Lights
 - 3.3.1.4 Post Orders
 - 3.3.1.5 Emergency or issued dosimetry
- 3.3.2 Report to assigned access control points.
- 3.3.3 Contact Group Leader when at post.
- 3.3.4 Continue to expedite access and egress of plant personnel.
- 3.3.5 Control access to the site for support personnel. Allow access only to Authorized personnel with site business.

NOTE: PERSONNEL DISPLAYING ONE OF THE FOLLOWING IDENTIFICATIONS WILL BE PERMITTED ACCESS TO THE SITE AT ALERT OR HIGHER CLASSIFICATION.

- | | |
|------------|---------|
| 1. PECO ID | 4. BRP |
| 2. PEMA | 5. PEMA |
| 3. NRC | |

- 3.3.6 Notify ACGL of arrival of all government officials.
- 3.3.7 Contact ACGL to resolve requests for access from personnel without proper identification.
- 3.3.8 Notify the Access Control Group Leader of the arrival of all emergency vehicles AND provide directions to the PAB access point.

3.4 Accountability Group Leader shall:

- 3.4.1 Assign members of the Site Accountability Group from non-posted, on-duty security personnel.

- 3.4.2 Activate Accountability Group.
- 3.4.3 IF required,
THEN dispatch AGM to emergency assembly area.
- 3.4.4 Direct Accountability Group to perform personnel accountability when site evacuation is ordered.

NOTE: APPENDIX ERP-500-6 LISTS EMERGENCY ASSEMBLY AREAS
--

3.5 Accountability Group shall:

- 3.5.1 Report to the Shift Sergeant office in the TSC for assignment to Accountability Posts.
- 3.5.2 Maintain list of Emergency Response Personnel assigned to the Emergency Assembly Area.
- 3.5.3 Perform personnel accountability when a Site Evacuation is declared.

3.6 Plant Security Group shall:

- 3.6.1 Maintain normal plant security in accordance with Plant Protection Procedures, as directed by Security Team Leader and on-duty Shift Security Supervision.
- 3.6.2 Issue emergency dosimetry for incoming personnel per PP-2, Emergency Admittance Procedure.
- 3.6.3 For Site Evacuation:
 - 3.6.3.1 Immediately notify STL when security personnel are positioned and ready at the protected area personnel exit points.
 - 3.6.3.2 Direct exiting personnel to deposit security badges
AND dosimetry in containers.
 - A. IF security computer is operable,
THEN card out badges using exit lane card readers.
 - B. IF security computer is not operable,
THEN prepare for manual accountability.
 - 3.6.3.3 Assist in the evacuation of affected areas.

- 3.6.3.4 Ensure that all non-essential and visitor personnel are instructed to exit the visitor lobby and leave the site.
- 3.6.3.5 Control access to protected area by providing operations security personnel at locations required by Appendix ERP-500-3, Staffing for Site Evacuation, as required.

NOTE: EMERGENCY WORKERS SUCH AS FIELD SURVEY GROUP MEMBERS, ACCESS CONTROL GROUP MEMBERS, AND SITE ASSEMBLY AREA PERSONNEL SHALL BE REQUIRED TO RETAIN DOSIMETRY.

3.7 Corporate Security Representative at the TSC shall:

- 3.7.1 Maintain liaison with law enforcement agencies.
- 3.7.2 Coordinate entry of station support personnel into the Emergency Planning Zone (EPZ).
- 3.7.3 Inform the Security Team Leader of Corporate Security activities.
- 3.7.4 Ensure notifications per routine Claims/Security procedures are performed.
- 3.7.5 Provide manpower and assistance as required.

4.0 FINAL CONDITIONS

- 4.1 Emergency has been terminated and personnel are instructed to return to their normal duty stations.

5.0 ATTACHMENTS AND APPENDICES

- 5.1 Appendix ERP-500-1 Security Team Activation
- 5.2 Appendix ERP-500-2 Security Team Staffing Guidelines
- 5.3 Appendix ERP-500-3 Staffing for Site Evacuation
- 5.4 Appendix ERP-500-4 Security Evacuation Notice
- 5.5 Appendix ERP-500-5 Security Team Leader Checkoff List
- 5.6 Appendix ERP-500-6 Emergency Assembly Areas

6.0 SUPPORTING INFORMATION

6.1 Purpose

- 6.1.1 The purpose of this procedure is to provide guidelines for the activation and conduct of operation for the Security Team.

6.2 Criteria for Use

- 6.2.1 This procedure shall be implemented whenever;
 - 6.2.1.1 Alert or higher classification is declared;
 - 6.2.1.2 The Emergency Director deems the team's activation and operations necessary.

6.3 Special Equipment

- 6.3.1 Traffic vests, lights, post orders, etc. - Access Control Group.

6.4 References

- 6.4.1 Limerick Generation Station Emergency Plan
- 6.4.2 LGS Physical Security Plan and implementing procedures
- 6.4.3 PP-002, Emergency Admittance Procedure
- 6.4.4 A/R A0005324, Eval. NBR.01 - NRC Inspection Report 90-21

6.5 Commitment Annotation

- 6.5.1 EP Action Item Q0004513 - Note Section 3.1

APPENDIX ERP-500-1
SECURITY TEAM ACTIVATION
(PAGE 1 OF 1)

- 1.0 IF contacted by pager,
THEN respond to prompts,
THEN respond to code as follows:
- 1.1 Call autodialer at 1-800-MAGENTA (1-800-624-3682)
AND respond to prompts.

NOTE: PAGER CODES ARE AS FOLLOWS:

6611 - CALL IN PAGER TEST
6622 - CALL IN AND RESPOND DRILL
6633 - CALL IN EMERGENCY

- 1.2 IF autodialer is busy,
THEN callback autodialer after a short wait.
- 1.3 IF autodialer does not provide prompts,
THEN call LGS ASPEN
AND enter "4#",
AND follow prompts.
- 2.0 IF contacted by autodialer callout,
THEN follow prompts
AND respond as required.

APPENDIX ERP-500-2
SECURITY TEAM STAFFING GUIDELINES
(PAGE 1 OF 1)

ACCESS CONTROL GROUP LEADER

Shift Security Supervision

SITE ACCESS CONTROL GROUP MEMBERS (2)

- (2) - On site
- (1) - Offsite assembly area

Filled from non-posted on-duty shift security personnel

ACCOUNTABILITY GROUP LEADER

Shift Security Supervision

ACCOUNTABILITY GROUP MEMBERS

Filled from non-posted on-duty shift security personnel

CORPORATE SECURITY PERSONNEL

Contact Claims Security at ext. 801-5252 or 9-841-5252 OR
Dispatcher at ext. 801-5141 or 9-841-5141

APPENDIX ERP-500-3
STAFFING FOR SITE EVACUATION
(PAGE 1 OF 1)

A. SITE ACCESS CONTROL POINTS

Posting As Required

Main Access Road (Sanatoga and Evergreen)

Back Access Road (at intersection with Longview Road)

B. EVACUATION ASSEMBLY AREAS

Limerick Airport (OR)

Cromby Station

C. PROTECTED AREA ACCESS CONTROL POINT

Posting As Required

PAB #1 Sally Port Gate (Gates 1a, 1b, 1d)

PAB #2 GML Access Gates (Gates 2A, B, C)

PAB #3 Cooling Tower Gate (Auxiliary Sally Port)

PAB #4 Railroad Gate

PAB #6 Off Loading Dock Gate (Behind PECO warehouse)

APPENDIX ERP-500-4
SECURITY EVACUATION GUIDANCE
(PAGE 1 OF 1)

The Security Team Leader should consider the following elements in implementing security force evacuations from the GML.

1. Consider Relocation to:
 - A. CAS/SAS
 - B. TSC Security Muster Area
 - C. Consult with PSTL for appropriate Area if CAS/SAS TSC not available. (Ref. 6.4.4)
2. Direct access Control Group personnel to remain at the site and inform them of the areas to avoid.
3. Place vehicles in service with armed personnel and patrol the site. Inform vehicle patrol personnel of areas to avoid.
4. Direct security personnel reporting to the TSC to assemble in the Security Muster Area.
5. Direct all SFM's to retain their assigned portable radios.
6. Direct the securing of the Equipment Issue Office.
7. Direct Scott Air Packs located in CAS/SAS to be transferred to the alternate location.
8. Evaluate the necessity of moving battery charger, spare batteries and additional equipment and supplies including emergency dosimetry and equipment to the TSC.

APPENDIX ERP-500-5
SECURITY TEAM LEADER CHECK-OFF LIST
(PAGE 1 OF 3)

ACTIONS	
2.2.1	Obtain briefing from on-duty SSC
2.2.2	Obtain list of security posts
2.2.3	Report to TSC Display Area
2.2.4	Check radio for operability
2.2.5	Assign and brief Access Control and Accountability Group Leaders
2.2.6	Staff Exit Areas Station
2.2.7	Perform duties of TSC Accountability Coordinator
2.2.8	Initiate accountability
2.2.9	Notify EP Coordinator when Security Team is ready
2.2.10	If Site Evacuation is anticipated, <u>THEN</u> 1. Dispatch personnel to ACP AND offsite assembly area. 2. Notify ED of readiness 3. Direct AGL to perform accountability 4. Direct ACGL to sweep Warehouse, SMB, PPC, Info Center & LTC
2.2.11	Coordinate offsite support
2.2.12	Coordinate with PSTL on additional protective measures
2.2.13	Coordinate with PSTL regarding injured persons

APPENDIX ERP-500-5
SECURITY TEAM LEADER CHECK-OFF LIST
(PAGE 2 OF 3)

ACTIONS
WHEN EVACUATION IS ANTICIPATED
Alert Group Leaders to prepare for evacuation
a. Provide Exit Route
b. Identify Off-Site Assembly Area
c. Notify personnel in warehouse, SMB, PPC, Info Cntr & LTC
d. Check status of security computer
e. Notify LLEA
Advise ED when Security is ready for evacuation
WHEN EVACUATION IS ANNOUNCED
Begin Accountability (with computer or manual)
Report results of accountability to ED in 30 minutes
Furnish List of unaccounted Personnel to Personnel Safety Team Leader
Follow-up on unaccounted for personnel

APPENDIX ERP-500-5
SECURITY TEAM LEADER CHECK-OFF LIST
(PAGE 3 OF 3)

WHEN EMERGENCY RESPONSE VEHICLE IS ANTICIPATED
ACTION
Notify Access Control Group Leader
Notify Security Shift Supervisor
Notify On-Duty Security Shift Coordinator
Type of Emergency Response Vehicle a. Ambulance b. Fire c. Police
Entry Point to PA
Direct Vehicle to location in PA
Notify ED of Arrival of Emergency Response Vehicle
Entry into PA
Exit from PA
Advise ED when Off-Site Security Support is required
Coordinate arrangements for support
Project Long-Range needs
Advise ED when security must deviate from license condition Reason: _____ _____
Obtain SRO approval to implement 10CFR50.54(X)
Re-evaluate situation and report results to ED

APPENDIX ERP-500-6 EMERGENCY ASSEMBLY AREAS			
GROUP	PRIMARY ASSEMBLY AREAS AND TELEPHONE NUMBERS	ALTERNATE ASSEMBLY AREAS AND TELEPHONE NUMBERS	ASSEMBLY AREA COORDINATOR(S)
Technical Support Center Staff:	Technical Support Center Display Area Beige Phone - Ext. 127 or Station Ext. 2624	See Note 4 Control Room Ext. 161, 2121 Maint. Shop, Ext. 149	Security Team Leader
Shift Operations(5) Personnel <u>AND</u> HP Technicians	Operations Support Center Station Phone - Ext. 2105	See Note 1 Room 535 Maint. Shop, Ext. 149	OSC Coordinator
Security Guards	TSC Guard Station (BRE) Brown Phone - Ext. 2031 Ext. 2035 Ext. 182 (CAS)	TSC Security Muster Area Ext. 183 Ext. 4325	Accountability Group Leader
Control Room Personnel	Control Room Station Phone - Ext. 161, 2121	Safe Shutdown Panels For Units 1 and 2 Ext. 164 (Only if Control Room is uninhabitable)	Shift Manager Alt: Shift Supervisor
Chemistry Technicians	Chemistry Field Office Station Phone - Ext. 2777, 159	Chemistry Office Station Phone - Ext. 2700	Chemistry Group Leader
Maintenance Personnel <u>AND</u> Instrument & Control Technicians	Maintenance Shop Brown Phone Ext. 149	Personnel Processing Center Ext. 2746	Damage Repair Group Leader
Escorted Plant Visitors	See Note (2)		
GML Staff <u>AND</u> Unescorted Visitors	See Note (3)		

APPENDIX ERP-500-6 EMERGENCY ASSEMBLY AREAS			
GROUP	PRIMARY ASSEMBLY AREAS AND TELEPHONE NUMBERS	ALTERNATE ASSEMBLY AREAS AND TELEPHONE NUMBERS	ASSEMBLY AREA COORDINATOR(S)
Off-Site Assembly Area (For Non-Emergency Response Personnel)			
Non-essential personnel and Vehicle and Evacuee Control Group	Airport or Cromby PSTL Radio Backup-Security Radio Facility Telephone	Alternate Designated Off-Site Assembly Area	Vehicle and Evacuee Control Group Leader
NOTES:			
(1) If the OSC becomes or is uninhabitable, the OSC Coordinator, Plant Survey Group Leader and up to 5 HP Technicians and 5 Operators report to Room 535 in the Control Room. All others report to the Maintenance Shop.			
(2) At an Alert or higher classification they must leave the Protected Area.			
(3) If site evacuation is required they will leave the Protected Area. Otherwise, they will receive further instructions and directions.			
(4) If the TSC becomes or is uninhabitable, the Emergency Director, Personnel Safety Team Leader, Technical Support Group Leader and up to 5 persons designated by the Emergency Director report to the Control Room. All others report to the Maintenance Shop.			
(5) The auxiliary OSC on Elevation 239' may be used to hold excess personnel; however, the OSC on Elevation 269' is the assembly area for accountability.			