Station Support Department

PECO ENERGY

10CFR50, Appendix E

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

May 8, 2000

Docket Nos. 50-277
50-278

License Nos. DPR-44
DPR-56

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

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

Dear Sir/Madam:

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

- ERP-315, Revision 14, "Operation Of The Dose Assessment Computer"
- ERP-500, Revision 10, "Security Team Leader"

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

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

Very truly yours,

D. B. Helker /FOR

James A. Hutton
Director - Licensing

Attachments

cc: H. J. Miller, Administrator, Region I, USNRC (2 copies)
W. F. Kane, Director of Materials Safety & Safeguard, USNRC
A. C. McMurtray, USNRC Senior Resident Inspector, PBAPS

A045

PECO NUCLEAR
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY RESPONSE PROCEDURE

ERP-315 OPERATION OF THE DOSE ASSESSMENT COMPUTER

1.0 RESPONSIBILITIES

1.1 The Shift Dose Assessment Person (SDAP) is responsible for dose assessment functions until the Emergency Operations Facility (EOF) Dose Assessment Team (DAT) is assembled and turn-over is completed. **CM-1**

1.2 The Dose Assessment Coordinator (DAC) is responsible for activating the dose assessment computer in the Technical Support Center (TSC) and remaining apprised of current dose assessment results.

2.0 INITIAL ACTIONS

2.1 Activate computers used for dose assessment.

2.1.1 Turn on computer power.

2.1.2 IF computer and printer do not activate THEN ensure individual switches are turned on.

2.1.3 Verify paper is loaded in adequate supply.

2.1.4 Log onto the Computer Dose Assessment System.

2.1.4.1 Control Room
a. Password = PECO
b. User ID = 777777

2.1.4.2 TSC
a. Password = PECO
b. User ID = 555555

NOTE

THE PASSWORD AND USER ID FOR THE CONTROL ROOM DOSE ASSESSMENT COMPUTER WILL ALLOW ACCESS TO FAST MODE A, AUTO MODE A, OR LIQUID DOSE CALCULATIONS.

THE PASSWORD AND USER ID FOR THE TSC DOSE ASSESSMENT COMPUTER WILL ALLOW ACCESS TO FAST MODE A, MODE A, AUTO MODE A, LIQUID DOSE CALCULATIONS, OR BACK CALCULATION SOURCE TERM.

2.2 Complete appropriate section(s) of attachment titled, "Input Parameters".
IF actual values are not available
THEN use default values given on attachment. **CM-2**

3.0 CONTINUING ACTIONS

3.1 IF performing dose projections in the Control Room, THEN select either, Fast Mode A or Auto Mode A.

3.1.1 For Auto Mode A, see attachment titled, "Auto Mode A".

3.1.2 For Fast Mode A, see attachment titled, "Fast Mode A".

3.1.3 For Liquid Dose Calculations, see attachment titled, "Liquid Release".

3.1.4 Verify all data inputs on printout match data sheet.

3.1.5 Advise Shift Manager and DAC of results of dose projection.

3.1.6 Repeat dose projections as new information becomes available until relieved by the EOF DAT.

3.2 IF performing dose projections in the TSC, THEN select F2, Execute Dispersion Model from the command menu.

3.2.1 For Auto Mode A, see attachment titled, "Auto Mode A".

3.2.2 For Fast Mode A, see attachment titled, "Fast Mode A".

3.2.3 For Mode A, see attachment titled, "Mode A".

3.2.4 For Liquid Dose Calculations, see attachment titled, "Liquid Release".

3.2.5 For unmonitored releases, evaluate source term based on field survey data.

3.2.5.1 Select F5, Back Calculate Source Term from the command menu AND enter data from attachment titled, "Input Parameters" Part 4, in response to system prompts.

3.2.6 Verify all data inputs on printout match data sheet.

3.2.7 Advise Emergency Director of results of dose projection.

3.2.8 Repeat dose projections as new information becomes available or until relieved by the EOF DAT.

4.0 FINAL CONDITIONS:

4.1 The potential for and/or actual airborne release has been alleviated.

4.2 The EOF DAT has taken over the dose assessment function.

4.3 All records are compiled for final review and filing.

5.0 ATTACHMENTS AND APPENDICES

5.1 Attachment 1 - "Input Parameters"

5.2 Attachment 2 - "Auto Mode A"

5.3 Attachment 3 - "Fast Mode A"

5.4 Attachment 4 - "Mode A"

5.5 Attachment 5 - "Liquid Release"

5.6 Attachment 6 - "Meteorological Parameter Resources"

6.0 SUPPORTING INFORMATION

6.1 PURPOSE

To provide directions for using the Peach Bottom Computer Dose Assessment System.

6.2 CRITERIA FOR USE

This procedure shall be implemented when an Alert or higher level emergency has been declared in accordance with ERP-101, Classification of Emergencies, or at the discretion of the Emergency Director.

6.3 SPECIAL EQUIPMENT

None

6.4 REFERENCES

6.4.1 Nuclear Emergency Plan

6.4.2 ERP-301, "Dose Assessment Coordinator (DAC)"

6.4.3 ERP-325, "Shift Dose Assessment Personnel"

6.4.4 Offsite Dose Calculation Manual (ODCM)

6.4.5 MESOREM, Jr., System Atmospheric Dispersion and Dose Assessment Program (Version 8.0)

6.4.6 EPA-400, "Manual for Protective Action Guides and Protective Actions for Nuclear Incidents"

6.5 COMMITMENT ANNOTATION

6.5.1 CM-1, Letter to NRC, 02/11/86, T01935 (section 1.1)

6.5.2 CM-2, NRC Inspection 93-03/03, T02541 (section 2.2)

6.5.3 CM-3, Letter to NRC, 08/15/86, T01949 (attachment 5)

6.5.4 CM-4, Letter to NRC, 12/30/83, T03167 (refers to entire procedure)

ATTACHMENT 1
INPUT PARAMETERS
(Page 1 of 4)

PART 1. Information required for any dose projection.

I. EVENT INFORMATION

Time of Release in Military Format _____:_____ (HH:MM)

Date of Release in Standard Format ___/_____/_____ (MM/DD/YY)

Night or Day? _____ (N or D)

Adverse Weather or Normal Weather? _____ (A or N)

Estimated Release Duration: _____:_____ (HH:MM) (Default Value 4:00)

Has the Release been in Progress? _____ (Y or N)

- If Yes: Time Release has been in Progress _____:_____ (HH:MM)

- If No: Time Until Release Begins: _____:_____ (HH:MM)

Has the Reactor reached 0% Power? _____ (Y or N)

Time of Reactor reaching 0% Power _____:_____ (HH:MM)

Account for Wet Deposition? _____ (Y or N)

Release Points (check one or more)

_____ Unit 2 Rx Building Vent Stack

_____ Unit 3 RX Building Vent Stack

_____ Unit 2 Torus Hardened Vent

_____ Unit 3 Torus Hardened Vent

_____ Main Stack

_____ Unmonitored Release

Simultaneous Release? _____ (Y or N)

Verify Standby Gas Treatment Efficiency. Utilize 95.0% default value until the current efficiency can be verified by Shift Management and/or System Engineer or by the most recent surveillance test.

ATTACHMENT 1
INPUT PARAMETERS
(Page 2 of 4)

PART 2. Information required only if Auto Mode A is unavailable.

I. METEOROLOGICAL PARAMETERS

(For backup or alternate source inputs, refer to the attachment titled,"Meteorological Parameter Resources")

IA. For Unit 2 Vent Stack Release or Unit 3 Vent Stack Release or Unit 2 Torus Hardened Vent Release or Unit 3 Torus Hardened VentRelease

Wind Speed _____ mph from Tower 2, 75 ft.

Wind Direction _____ from Tower 2, 75 ft.

Delta Temperature _____ degs F from Tower 2, 315' - 33'

Ambient Temperature _____ degs F for Tower 2, 33 ft.

Precipitation _____ (60 minute total from MET screen or 'N' = not available)

IB. For Main Stack Release

Wind Speed _____ mph from Tower 2, 320 ft.

Wind Direction _____ from Tower 2, 320 ft.

Delta Temperature _____ degs F from Tower 2, 316' - 33'

Ambient Temperature _____ degs F for Tower 2, 33 ft.

Precipitation _____ (60 minute total from MET screen or 'N' = not available)

IC. For Unmonitored Release

Wind Speed _____ mph from River Tower

Wind Direction _____ from River Tower

Delta Temperature _____ degs F from Tower 2, 316' - 33'

Ambient Temperature _____ degs F for Tower 2, 33 ft.

Precipitation _____ (60 minute total from MET screen or 'N' = not available)

ATTACHMENT 1
INPUT PARAMETERS
(Page 3 of 4)

II. EFFLUENT PARAMETERS

IIA. For Unit 2 Vent Stack Release

Count Rate _____ uCi/cc

(Check which parameter used)

_____ Low Range (red), panel 20C010
_____ Mid Range (blue), panel 20C010
_____ High Range (green), panel 20C010

Flow Rate _____ kcfm (FR-2805, panel 20C010)

IIB. For Unit 3 Vent Stack Release

Count Rate _____uCi/cc

(Check which parameter used)

_____ Low Range (red), panel 30C010
_____ Mid Range (blue), panel 30C010
_____ High Range (green), panel 30C010

Flow Rate _____ kcfm (FR-3805, panel 30C010)

IIC. For Unit 2 Torus Hardened Vent Release

Count Rate _____ cpm (RIS-80291, panel 20C010)

Torus Pressure _____ psig (check which parameter used)

_____ PI-4952, panel 20C484A
_____ PI-4953, panel 20C484B

IID. For Unit 3 Torus Hardened Vent Release

Count Rate _____ cpm (RIS-90291, panel 30C010)

Torus Pressure _____ psig (check which parameter used)

_____ PI-5952, panel 30C484A
_____ PI-5953, panel 30C484B

ATTACHMENT 1
INPUT PARAMETERS
(Page 4 of 4)

IIE. For Main Stack Release

Count Rate _____ uCi/cc

(Check which parameter used)

_____ Low Range (red), panel 00C014
_____ Mid Range (blue), panel 00C014
_____ High Range (green), panel 00C014

Flow Rate _____ kcfm (FRS-0470, panel 30C010)

PART 3. Information required for known isotopic projections.

I. Isotopic Breakdown

If known, enter sample results.

Kr 83m	_____	Xe 131m	_____
Kr 85m	_____	Xe133m	_____
Kr 85	_____	Xe 135m	_____
Kr 87	_____	Xe 135	_____
Kr 88	_____	Xe 137	_____
Kr 89	_____	Xe 138	_____

Total Noble Gas Concentration _____ uCi/cc uCi/cc

I-131 _____ I-133 _____ I-135 _____

I-132 _____ I-134 _____

Total Iodine Concentration _____ uCi/cc

PART 4. Unknown Isotopic Breakdown for Unmonitored Release

Field Survey Whole Body Dose Rate _____ mr/hr

Field Survey Thyroid Dose Rate _____ mr/hr

Distance from the plant to where the field survey readings were obtained _____ miles.

Angle between the field reading location and 0 degrees North _____

Angle is positive in the clockwise direction and must be 180 degrees from the wind direction already inputted.

ATTACHMENT 2
AUTO MODE A
(Page 1 of 4)

1. From Mode A or Auto A Menu Choose;

   a. F3 -- Auto Mode A - Initiate automatic data collection

2. Choose DBA from Accident Menu

3. Answer the following prompts:

   a. Enter the time of the release in military format
      (Current system time = <ENTER> = 07:42)

   b. Enter the date of the release in standard format
      (Current system time = <ENTER> = 09/23/93):

   c. Night or Day?
      (N or D, <ENTER> = D):

   d. Adverse Weather or Normal Weather?

      (A or N, <ENTER> = N):

   e. Enter estimated release duration.
      (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).

   f. Has the release been in progress?
      (Y or N, <ENTER> = N): Y

   g. Time the release has been in progress.
      (Format is (HH:MM), <ENTER> = 0: 0):

   h. 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

   i. Do you wish the model to account for wet disposition?
      (Y or N, <ENTER> = N):

Select appropriate tower/sensor data from this table.

ATTACHMENT 2
AUTO MODE A
(Page 2 of 4)

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:

j. 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. 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.

k. Choose release point from release point menu.

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

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

   1. If unknown isotopic breakdown.

For PBAPS Main Stack, (For other release pts, no SGTS prompt)

Enter the current stand-by-gas-treatment efficiency.
Range is [.0000 to 99.99] - **Use the default value unless**
[<ENTER> = 95.0] **instructed otherwise.**

ATTACHMENT 2
AUTO MODE A
(Page 3 of 4)

NOTE:

DEPENDING ON RELEASE POINT AND ANSWERS TO THESE PROMPTS, SEVERAL PROMPTS WILL APPEAR CONCERNING THE RELEASE PATH. THESE ARE USED TO DETERMINE THE NOBEL 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> = 0):

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 chose 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.

ATTACHMENT 2
AUTO MODE A
(Page 4 of 4)

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)

h. Enter the nuclide symbol. (<ENTER> = No other radionuclides):

i. Enter nuclide mass number, including M for metastable:

j. Enter the amount of release in uCi/cc.
Range is (.0000 to 1.0000E+20)
(<ENTER> = .0000):

k. 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 a 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 = RATION 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.

ATTACHMENT 3
FAST MODE A

1. Select F1, Fast Mode A, from the Command Menu.

2. IF isotopic breakdown unknown
THEN select F1, Loss of Coolant Accident;
IF isotopic breakdown is known
THEN select F10, MCA Data

3. Enter data recorded on attachment titled "Input Parameters" in response to system prompts and menus.

4. Ensure appropriate device is selected for printer output.

5. Make appropriate printout selection.

6. IF a release is in progress from more than one release point
THEN enter a "Y" after the prompt, "Will this be a simultaneous release?"
AND repeat from step 3.1.2 until data for all release points has been entered.

7. IF specific receptor data is desired,
THEN select the appropriate receptor from the Receptor Display Menu
OR select Q to leave the menu.

8. IF another dose projection is desired,
THEN respond "Y" to the prompt
OR respond "N" to leave the system.

ATTACHMENT 4
MODE A

1. Select F1, update data, from the command menu.

2. Select files to be updated from File Menu.

3. Enter data recorded on attachment titled, "Input Parameters", in response to system prompts and menus.

4. Once all files have been updated, select "Q" to return to the Command Menu.

5. Select F2, Execute Dispersion Model, from the Command Menu.

6. Select F2, Mode A, from Mode A Menu.

7. Make appropriate printout selection.

8. Respond to prompts to calculate a simultaneous release, view specific receptor data, run another dose projection, or exit the system, as desired.

ATTACHMENT 5

LIQUID RELEASE

(Page 1 of 2)

NOTE:

THIS ATTACHMENT APPLIES TO LIQUID RELEASES THRU THE DISCHARGE CANAL TO THE RIVER OR LIQUID RELEASES EXITING THE SITE BY MEANS OTHER THAN THE DISCHARGE CANAL. CM-3

1. From Mode A or Auto Mode A Menu, select F4, Liquid Dose Calculations and enter data from this attachment.

2. Source of sample:

NOTE:

BEFORE: DILUTION CORRECTION APPLIED
AFTER: DILUTION CORRECTION NOT APPLIED

_____ Before (Liquid release is to the discharge canal and the sample was obtained prior to dilution in the discharge canal.)

_____ After (Liquid release is to the discharge canal and the sample has been obtained from the discharge canal after dilution by circulation water pump flow OR liquid release is exiting the site by means other than the discharge canal.)

3. Estimated duration of the liquid release: _____ hours

4. Number of circ water pumps in operation = _____

5. Estimated volume of the liquid release: _____ gallons

6. Isotopic concentrations from analysis of release sample:

Zn-65 _____uCi/ml Cs-134 _____uCi/ml

Co-60 _____uCi/ml Cs-137 _____uCi/ml

I-131 _____uCi/ml

ATTACHMENT 5

LIQUID RELEASE

(Page 2 of 2)

7. Make appropriate printout selection.

NOTE:

LIQUID EFFLUENT RELEASE LIMIT PER THE OFFSITE DOSE CALCULATION MANUAL (ODCM). ODCMS 3.8.B.2

A) DURING ANY CALENDAR QUARTER, $\leq$ 3.0 MREM TO THE TOTAL BODY AND $\leq$ 10.0 MREM TO ANY ORGAN.

B) DURING ANY CALENDAR YEAR, $\leq$ 6.0 MREM TO THE TOTAL BODY AND $\leq$ 20.0 MREM TO ANY ORGAN.

8. IF results exceed ODCM limits,
THEN the ED should ensure notification of the Department of Environmental Resources and downstream domestic water users from the Emergency Response Telephone Directory.

ATTACHMENT 6
METEOROLOGICAL PARAMETER RESOURCES
(Listed in order of preference)

1. Main Control Room Instrument Panels (Control Room Only)

2. Plant Monitoring System (PMS) (Primary for TSC)

Select appropriate tower/sensor data from this table

Release Point		PMS		PMS
MAIN STACK	Primary	Screen	Backup	Screen
Wind Speed (mph)	Twr 2-320'	MET	Twr 2-75'	MET
Wind Direction (Deg Azm)	Twr 2-320'	MET	Twr 2-75	MET
Delta Temperature (Deg F)	Twr 2-316'-33	MET	Twr 2-150'-33'	MET
Sigma Theta (Deg. Azm)	Twr 2-75'	MET	None	MET
Ambient Temperature (Deg F)	Twr 2-33'	MET	None	MET
Precipitation (in/hr)	Twr 2	MET	TwrA	MET
VENT STACK				
Wind Speed (mph)	Twr 2-75'	MET	Twr 2-320'	MET
Wind Direction (Deg Azm)	Twr 2-75'	MET	Twr 2-320'	MET
Delta Temperature (Deg F)	Twr 2-316'-33'	MET	Twr 2-150'-33'	MET
Sigma Theta (Deg. Azm)	Twr 2-75'	MET	None	MET
Ambient Temperature (Deg F)	Twr 2-33'	MET	None	MET
Precipitation (in/hr)	Twr 2	MET	Twr A	MET
UNMONITORED RELEASE				
Wind Speed (mph)	River Twr 33'	MET	Twr 2-75'	MET
Wind Direction (Deg Azm)	River Twr 33'	MET	Twr 2-75'	MET
Delta Temperature (Deg F)	Twr 2-316'-33'	MET	Twr 2-150'-33'	MET
Sigma Theta (Deg. Azm)	Twr 2-75'	MET	None	MET
Ambient Temperature (Deg F)	Twr 2-33'	MET	None	MET
Precipitation (in/hr)	Twr 2	MET	Twr A	MET

3. National Weather Service

A. PENN State NWS: 9-1-814-237-1152 or 9-1-800-697-0010
B. Philadelphia NWS: 9-1-609-261-6604

Obtain the following meteorological parameters:

Wind Direction (WD30)	_____	deg. az.
Wind Speed (WD30)	_____	knots
Cloud Cover (CLCVR)	_____	tenths
Cloud Ceiling (CLCEG)	_____	ft
Ambient Temperature	_____	deg. F
Precipitation	_____	in/hr

Forecast:

NWS Contact: _____

Effective Date: 4/24/00

PECO Energy Company
PEACH BOTTOM UNITS 2 AND 3
EMERGENCY RESPONSE PROCEDURE

ERP-500 SECURITY TEAM LEADER (STL)

1.0 RESPONSIBILITIES

1.1 The STL is responsible for access control and personnel accountability, as well as routine security matters, during Security's response to an emergency.

NOTE

THE SUPERVISOR - NUCLEAR SECURITY ASSUMES THE DUTIES OF THE STL UPON NOTIFICATION BY THE EMERGENCY DIRECTOR (ED) OR BY A PUBLIC ADDRESS (PA) ANNOUNCEMENT DECLARING AN EMERGENCY CLASSIFICATION OF ALERT OR HIGHER.

2.0 INITIAL ACTIONS

2.1 The STL shall:

2.1.1 Report to the TSC and sign in.

2.1.2 Notify the Manager - Nuclear Security or designee.

2.1.3 Assign group leaders for:

a. Access Control Group

b. Accountability Group

2.1.4 Direct the Access Control Group Leader (ACGL) and the Accountability Group Leader (AGL) to implement applicable post orders.

2.1.5 Discuss on-site and near site security personnel assignments with the Health Physics Team Leader (HPTL) and Dose Assessment Coordinator (DAC) for radiological concerns and plume pathway roadblock requirements.

2.1.6 Direct call-out of additional Security personnel as necessary.

3.0 CONTINUING ACTIONS

3.1 Establish and maintain a STL log of pertinent events and communications.

3.2 Periodically notify the ED of the Security Team's status.

3.3 Contact the HPTL and the DAC (prior to making security personnel field assignments) for a briefing on radiological concerns including:

3.3.1 Radiological condition of designated location(s)

3.3.2 Health Physics (HP) escort requirements

3.3.3 Repositioning locations of security personnel (if required)

3.3.4 Blocking access to plume pathways

3.4 Provide direction to the ACGL and the AGL as emergency conditions change.

3.5 Project long-range security needs and advise the ED when additional personnel or outside agency services are required.

3.6 Coordinate the Security Team's response when the ED declares a Site Evacuation.

3.6.1 Direct the AGL and ACGL to initiate their post orders for accountability and access control as appropriate.

3.6.2 Notify outside law enforcement agencies for traffic control, if necessary.

3.6.3 Provide results of the accountability report to the ED.

3.6.4 IF individuals are identified as unaccounted for THEN direct the AGL to provide search and rescue with assistance from the Medical Response Team.

3.7 Authorize entrance of non-PECO Energy personnel to the Station, as appropriate.

3.8 The Supervisor - Nuclear Security may be relieved as Security Team Leader by designated security management.

4.0 FINAL CONDITIONS

4.1 Cease emergency Security Team activities and direct the return to non-emergency security activities when notified by the ED.

5.0 ATTACHMENTS AND APPENDICES

None

6.0 SUPPORTING INFORMATION

6.1 PURPOSE

To define the actions of the STL in response to an emergency condition.

6.2 CRITERIA FOR USE

This procedure shall be implemented when an emergency condition of an Alert or higher exists, or when the ED orders the activation of the Security Team.

6.3 REFERENCES

6.3.1 Code of Federal Regulations, Title 10, Energy, Part 50, Appendix E, Section IV, Subsection A, Organization

6.3.2 ERP-520, "Security Group Leaders"

6.3.3 NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

6.3.4 Nuclear Emergency Plan

6.4 COMMITMENT ANNOTATION

None

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-C-1000	0005	EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION/DECACTIVATION	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-1	0002	EOF ACTIVATION CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-2	0003	EOF DEACTIVATION CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-3	0000	EOF BUSINESS HOURS FIRST RESPONDER CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1000-4	0000	EOF AFTER HOURS FIRST RESPONDER CHECKLIST	04/21/99	PWE	
PB	PROC	ERP	ERP-C-1100	0003	EOF STAFF AUGMENTATION- CANCELLED - REPLACED BY ERP-C-1250	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1200	0009	EMERGENCY REPSONSE MANAGER	04/03/00	PWE	
PB	PROC	ERP	ERP-C-1200-1	0000	EMERGENCY RESPONSE MANAGER TURNOVER/BRIEFING FORM	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1200-2 EXH	0000	PROTECTIVE ACTION RECOMMENDATION WORKSHEET CANCELLED REPLACED BY ERP-C-1200	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1200-3	0000	ERM PAR DELIVERY CHECKLIST	04/03/00	PWE	
PB	PROC	ERP	ERP-C-1210	0002	ASSISTANT EMERGENCY RESPONSE MANAGER (AERM) CANCELLED - REPLACED BY ERP-C-1200	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1250	0003	EMERGENCY PREPAREDNESS COORDINATOR/EOF	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1250-1	0000	EMERGENCY POWER INSTRUCTIONS	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1250-2	0001	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR ASPEN BACKUP NOTIFICATION SYSTEM	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1250-3	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP STAFFING	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1250-4	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTUCTIONS FOR SYSTEM RESET	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1300	0009	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER	04/04/00	PWE	
PB	PROC	ERP	ERP-C-1300-1	0003	DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS	04/04/00	PWE	
PB	PROC	ERP	ERP-C-1300-2	0000	DOSE ASSESSMENT TURNOVER LIST	09/23/94	PWE	
PB	PROC	ERP	ERP-C-1300-3	0003	PROTECTIVE ACTION RECOMMENDATION WORKSHEET	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1300-4	0000	OFFSITE SAMPLE ANALYSIS REQUESTS	09/23/94	PWE	
PB	PROC	ERP	ERP-C-1300-5	0001	DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS (PARS)	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1300-6	0001	DOSE ASSESSMENT GROUP INITIAL ACTIONS	04/10/98	PWE	
PB	PROC	ERP	ERP-C-1300-7	0000	OBTAINING EPDS MET/RAD DATA	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1300-8	0000	USE OF MODE A/MODE B OF CDM	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1300-9	0001	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE	09/12/97	PWE	
PB	PROC	ERP	ERP-C-1310	0003	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT GROUP - CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-2	0000	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED - REPLACED BY ERP-C-1300	03/24/97	PWE	
PB	PROC	ERP	ERP-C-1310-3	0000	OBTAINING EPDS MET/RAD DATA - CANCELLED - NO REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1310-4	0000	USE OF MODE A/MODE B OF CDM CANCELLED - REPLACED BY ERP-C-1300	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1320	0006	EMERGENCY OPERATIONS FACILITY (EOF) FIELD SURVEY GROUP LEADER	04/24/00	PWE	
PB	PROC	ERP	ERP-C-1320-1	0002	FIELD SURVEY GROUP LEADER INITIAL ACTIONS	04/10/98	PWE	
PB	PROC	ERP	ERP-C-1320-2	0001	FIELD SURVEY GROUP LEADER TURNOVER SHEET	03/26/97	PWE	
PB	PROC	ERP	ERP-C-1320-3	0001	FIELD SURVEY GROUP LEADER DATA SHEET	04/24/00	PWE	
PB	PROC	ERP	ERP-C-1400	0004	ENGINEERING SUPPORT TEAM	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1400-1	0002	ENGINEERING SUPPORT TEAM CHECKLIST	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1410	0002	CORE DAMAGE ASSESSMENT	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-1	0000	RADIOLOGICAL DATA	09/14/94	PWE	
PB	PROC	ERP	ERP-C-1410-2	0001	HYDROGEN CONCENTRATION DATA	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-3	0001	CONTAINMENT RADIATION MONITOR DATA	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-4	0000	METAL WATER REACTION - CANCELLED NO REPLACEMENT	09/09/98	PWE	

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-C-1410-5	0001	PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT VS. APPROXIMATE SOURCE AND DAMAGE ESTIMATE	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1410-6	0001	PROCEDURES FOR ESTIMATING FUEL DAMAGE BASED ON MEASURED I-131 AND XE-133 CONCENTRATIONS	09/09/98	PWE	
PB	PROC	ERP	ERP-C-1500	0006	LOGISTICS SUPPORT TEAM	04/14/00	PWE	
PB	PROC	ERP	ERP-C-1500-1	0001	MESSAGE AND INFORMATION INSTRUCTIONS	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1500-2	0001	HELICOPTER LANDING INFORMATION	10/24/95	PWE	
PB	PROC	ERP	ERP-C-1900	0004	RECOVERY PHASE IMPLEMENTATION	11/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-1	0000	RECOVERY PHASE IMPLEMENTATION FLOW CHART	06/28/93	PWE	
PB	PROC	ERP	ERP-C-1900-2	0002	PEACH BOTTOM ATOMIC POWER STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-3	0002	LIMERICK GENERATING STATION RECOVERY ACCEPTANCE CHECKLIST	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-4	0002	RECOVERY PLAN OUTLINE	04/02/98	PWE	
PB	PROC	ERP	ERP-C-1900-5	0002	ASSESSMENT CONSIDERATIONS	12/28/99	PWE	
PB	PROC	ERP	ERP-101	0021	CLASSIFICATION OF EMERGENCIES	11/13/99	PWE	
PB	PROC	ERP	ERP-110	0012	EMERGENCY NOTIFICATIONS	08/06/98	PWE	
PB	PROC	ERP	ERP-110 APP 1	0054	EMERGENCY NOTIFICATION TELEPHONE LIST	04/14/00	PWE	
PB	PROC	ERP	ERP-110 APP 2	0024	EMERGENCY CLASSIFICATION NOTIFICATION TELEPHONE LIST FOR A SITE EMERGENCY OR GENERAL EMERGENCY CANCELLED - REPLACED BY ERP-110 APPENDIX 1	07/21/93	PWE	
PB	PROC	ERP	ERP-120	0002	PARTIAL PLANT EVACUATION CANCELLED - REPLACED BY ERP-130 & GP-15	08/10/92	PWE	
PB	PROC	ERP	ERP-130	0014	SITE EVACUATION	02/16/00	PWE	
PB	PROC	ERP	ERP-140	0019	EMERGENCY RESPONSE ORGANIZATION (ERO) CALL OUT	03/04/99	PWE	
PB	PROC	ERP	ERP-140 APP 1	0019	AUTOMATED ERO ACTIVATION	08/06/98	PWE	
PB	PROC	ERP	ERP-140 APP 2	0022	ASPEN EMERGENCY MESSAGE CANCELLED - REPLACED BY ERP-110 APP 1	08/06/98	PWE	
PB	PROC	ERP	ERP-140 APP 3	0022	DOSE ASSESSMENT TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92		
PB	PROC	ERP	ERP-140 APP 4	0015	CHEMISTRY SAMPLING & ANALYSIS TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92		
PB	PROC	ERP	ERP-140 APP 5	0014	DAMAGE REPAIR TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92		
PB	PROC	ERP	ERP-140 APP 6	0013	SECURITY TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92		
PB	PROC	ERP	ERP-140 APP 7	0017	PERSONNEL SAFETY TEAM CANCELLED - REPLACED BY PIMS PRINTOUTS ISSUED MONTHLY PER RT/ERP-2	08/20/92		
PB	PROC	ERP	ERP-140 APP 8	0009	COMPANY CONSULTANTS AND CONTRACTORS CANCELLED - INCLUDED IN EMERGENCY TELEPHONE DIRECTORY	08/20/92		
PB	PROC	ERP	ERP-140 APP 9	0011	NEARBY PUBLIC AND INDUSTRIAL USERS OF DOWNSTREAM WATER CANCELLED - INCLUDED IN EMERGENCY TELEPHONE DIRECTORY	08/20/92		
PB	PROC	ERP	ERP-200	0015	EMERGENCY DIRECTOR (ED)	11/02/98	PWE	
PB	PROC	ERP	ERP-200 APP 1	0002	UNUSUAL EVENT INITIAL ACTIONS	08/12/94	PWE	
PB	PROC	ERP	ERP-200 APP 2	0003	ALERT INITIAL ACTIONS	11/16/98	PWE	
PB	PROC	ERP	ERP-200 APP 3	0003	SITE AREA EMERGENCY INITIAL ACTIONS	11/16/98	PWE	
PB	PROC	ERP	ERP-200 APP 4	0003	GENERAL EMERGENCY INITIAL ACTIONS	11/16/98	PWE	
PB	PROC	ERP	ERP-200 APP 5	0002	RECOVERY OR TERMINATION INITIAL ACTIONS	08/12/94	PWE	
PB	PROC	ERP	ERP-200 APP 6	0000	RECOVERY PHASE FORMS CANCELLED - REPLACED BY ERP-200 APPENDIX 5	07/06/94		
PB	PROC	ERP	ERP-205	0007	EMERGENCY PREPAREDNESS COORDINATOR/TSC	03/03/00	PWE	
PB	PROC	ERP	ERP-206	0007	SUPPORT SERVICES GROUP	03/03/00	PWE	
PB	PROC	ERP	ERP-210	0000	TRIP TABLE COMMUNICATOR (TSC)	09/12/97	PWE	
PB	PROC	ERP	ERP-220	0006	OPERATIONS GROUP	10/05/95	PWE	
PB	PROC	ERP	ERP-230	0016	OPERATIONS SUPPORT CENTER (OSC) ACTIVATION	10/07/98	PWE	

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

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FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
PB	PROC	ERP	ERP-700	0009	TECHNICAL SUPPORT TEAM	11/02/98	PWE	
PB	PROC	ERP	ERP-710	0008	TECHNICAL SUPPORT GROUP CANCELLED - REPLACED BY ERP-700	11/02/98	PWE	
PB	PROC	ERP	ERP-800	0006	OPERATIONS SUPPORT CENTER DIRECTOR (OSC DIRECTOR)	10/07/98	PWE	
PB	PROC	ERP	ERP-810	0011	MAINTENANCE TEAM	07/07/99	PWE	

** END OF REPORT **