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10CFR50, Appendix E

March 21, 2001

Docket Nos. 50-352
50-353

License Nos. NPF-39
NPF-85

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

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

Dear Sir/Madam:

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

- ERP-200, Revision 14, "Emergency Director (ED) Response"
- ERP-200, Appendix 1, Revision 11 "Emergency Notification Message Form"

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,



James A. Hutton
Director - Licensing

Attachments

cc: ~~W. J. Miller~~, Administrator, Region I, USNRC (2 copies)
W. F. Kane, Director of Materials Safety & Safeguard, USNRC
A. L. Burritt, USNRC Senior Resident Inspector, LGS

A045

ATTACHMENT 1

LIMERICK GENERATING STATION, UNITS 1 & 2

**Docket Nos. 50-352
50-353**

**License Nos. NPF-39
NPF-85**

EMERGENCY RESPONSE PROCEDURES

**ERP-200, "Emergency Director (ED) Response"
Revision 14**

**ERP-200-1, "Emergency Notification Message Form"
Revision 11**

Effective Date: 3/27/01

ERP-200
Rev. 14
Page 1 of 6
RZK/ldt

PECO NUCLEAR
LIMERICK GENERATING STATION
EMERGENCY RESPONSE PROCEDURE

ERP-200 EMERGENCY DIRECTOR (ED) RESPONSE

1.0 RESPONSIBILITIES

- 1.1 Shift Manager
OR designated alternate assumes the title of Emergency Director until relieved.
- 1.2 The on-call TSC Emergency Director shall: (Ref 6.5.4)
 - 1.2.1 Contact the shift manager and obtain situation briefing.
 - 1.2.2 Respond to the Main Control Room or TSC as dictated by plant conditions or emergency classification.
 - 1.2.3 Relieve acting Emergency Director.
 - 1.2.4 Direct actions on-site during the emergency.
 - 1.2.5 Activate appropriate positions of the emergency response organization as indicated by existing and anticipated conditions.
 - 1.2.6 Direct assessment actions and monitor results.
 - 1.2.7 Implement procedure.

2.0 INITIAL ACTIONS

2.1 Unusual Event:

NOTE

IF A GENERAL EMERGENCY IS DECLARED PRIOR TO TECHNICAL SUPPORT CENTER(TSC) OR EMERGENCY OPERATIONS FACILITY EOF ACTIVATION, THE SHIFT MANAGER (INTERIM EMERGENCY DIRECTOR) DELIVERS THE PROTECTIVE ACTION RECOMMENDATION(PAR) TO THE STATE AND COUNTIES PER APPENDIX ERP-200-1, FORM 1 "EMERGENCY NOTIFICATION MESSAGE FORM" SECTION 5.

- 2.1.1 Shift Manager shall ensure Emergency Notifications are completed per ERP-110, "Emergency Notifications" by performing the following: (Ref. 6.5.7).
 - 1. Complete Appendix ERP-200-1
 - 2. Notify the Secondary Alarm Station(SAS) operator, extension 5164 (Prelude extension 181), of emergency condition.

3. Fax the completed form to the SAS operator (Fax Extension 2029), THEN forward to the designated NRC communicator.
4. **IF** dose assessment is required **THEN** contact Peach Bottom Main Control Room Shift Management (81-231, 807:4687 or 807:4688) and request Shift Dose Assessment Personnel (SDAP) to perform dose projections.
5. Fax a completed "Dose Assessment Data Sheet" (ERP-200-2) to the Peach Bottom SDAP at 807:4793.

2.2 Alert or Higher Classification (Ref 6.5.7).

2.2.1 Shift Manager shall ensure emergency notifications and staffing augmentation are completed by performing the following:

1. Immediately upon verification of Alert or higher classification instruct SAS Operator (extension 5164 or Prelude 181) to perform staffing augmentation per ERP-140, "Staffing Augmentation".
2. Complete Appendix ERP-200-1.
3. Fax the completed form to the SAS operator (Fax extension 2029), THEN forward to the designated NRC communicator
4. **IF** dose assessment is required **THEN** contact Peach Bottom Main Control Room Shift Management (81-231, 807:4687 or 807:4688) and request Shift Dose Assessment Personnel to perform dose projections.
5. Fax a completed "Dose Assessment Data Sheet" (ERP-200-2) to the Peach Bottom SDAP at 807:4793.

2.3 Emergency Director (TSC) shall:

NOTE

THE POSITION OF ASSISTANT EMERGENCY DIRECTOR IS STAFFED ON AN "AS AVAILABLE" BASIS. IF AN ASSISTANT EMERGENCY DIRECTOR IS UTILIZED, THE EMERGENCY DIRECTOR SHALL DESIGNATE THOSE FUNCTIONS FOR WHICH THE ASSISTANT IS RESPONSIBLE AND ENSURE THAT SHIFT MANAGEMENT, TSC STAFF, THE OSC AND THE EMERGENCY RESPONSE MANAGER ARE AWARE OF THE ASSISTANT'S RESPONSIBILITIES.
(Ref. 6.5.2)

- 2.3.1 **IF** relieving the Interim Emergency Director, turnover should be performed using Appendix ERP-200-1, Form 8, "Emergency Director Turnover/Briefing Form".
- 2.3.2 Complete ERP-200-1, Form 6 "Emergency Director Check-Off List".

NOTE

IF THE GENERAL EMERGENCY IS DECLARED
THEN EMERGENCY DIRECTOR HAS THE RESPONSIBILITY TO MAKE
PROTECTIVE ACTION RECOMMENDATIONS (PAR) TO THE SENIOR STATE
OFFICIAL UNTIL RELIEVED BY EMERGENCY RESPONSE MANAGER.

- 2.3.3 For Conditions at or near a General Emergency
1. Discuss Protective Action Recommendations with Dose Assessment Coordinator.
 2. Evaluate plant conditions, i.e. fuel damage, coolant boundary, containment integrity, for additional input into Protective Action Recommendations.
- 2.3.4 IF TSC becomes uninhabitable,
THEN
1. Coordinate
AND direct TSC transfer to Main Control Room.
 - a. Emergency Director
 - b. Health Physics Team Leader
 - c. Technical Support Group Leader
 - d. Up to 5 others designated by the Emergency Director
 - e. All others per ERP-500, "Security Team"
- 2.3.5 FOR a Site Area Emergency or higher,
OR if it would result in lower site personnel exposure, at Alert,
THEN prepare for Site Evacuation per ERP-120 "Station Evacuations".
- 2.4 The Shift Manager shall:
- 2.4.1 In the event of a security computer failure, initiate Appendix ERP-200-1 Form 9, "Main Control Room Accountability Log". (The Security Team Leader shall initiate the accountability log for the Technical Support Center.)
- 3.0 CONTINUING ACTIONS
- Refer to Appendix ERP-200-1, Form 6 "Emergency Director Check-Off List."

4.0 FINAL CONDITIONS

4.1 Emergency director shall:

4.1.1 Participate in Recovery per ERP-C-1900, "Recovery Phase Implementation" with Emergency Response Manager.

4.1.2 Reduce emergency response organization, as appropriate.

4.1.3 Phase out TSC operations.

5.0 ATTACHMENTS AND APPENDICES (issued as separate document)

5.1 ERP-200-1 Emergency Director Forms

5.1.1 Form 1, Emergency Notification Message Form

5.1.2 Form 2, Unusual Event - Station Announcements

5.1.3 Form 3, Alert - Station Announcements

5.1.4 Form 4, Site Area Emergency - Station Announcements

5.1.5 Form 5, General Emergency - Station Announcements

5.1.6 Form 6, Emergency Director Check-Off List

5.1.7 Form 7, Unaffected Unit Operations

5.1.8 Form 8, Emergency Director Turnover/Briefing Form

5.1.9 Form 9, Main Control Room Accountability Log

| 5.1.10 Form 10, TSC ERO Activation Checklist

| 5.1.11 Form 11, Minimum Staffing Positions

5.2 ERP-200-2 Dose Assessment Data Sheet

6.0 SUPPORTING INFORMATION

6.1 Purpose

6.1.1 Provide guidelines for Emergency Director response to an emergency classification.

6.2 Criteria For Use

6.2.1 Implemented when an event has been classified per ERP-101, "Classification of Emergencies".

6.3 Special Equipment

None

6.4 References

6.4.1 Nuclear Emergency Plan

6.4.2 NUREG 0654, Rev. 2 Criteria for Preparations and Evaluation of Radiological Emergency Response Plans in Support of Nuclear Power Plants

6.4.3 ERP-101, Classification of Emergencies

6.4.4 ERP-110, Emergency Notifications

6.4.5 ERP-120, Station Evacuations

6.4.6 ERP-140, Staffing Augmentation

6.4.7 ERP-230, Operations Support Center (OSC) Director

6.4.8 ERP-300, Dose Assessment Team

6.4.9 ERP-325, Shift Dose Assessment Personnel (PBAPS)

6.4.10 ERP-400, Chemistry Team

6.4.11 ERP-500, Security Team

6.4.12 ERP-600, Health Physics Team

6.4.13 ERP-630, Vehicle and Evacuee Control Group

6.4.14 ERP-800, Maintenance Team

6.4.15 ERP-C-1000, Emergency Operations Facility (EOF) Activation/Deactivation

6.4.16 ERP-C-1200, Emergency Response Manager

6.4.17 ERP-C-1900, Recovery Phase Implementation

6.4.18 SE-11, Medical Emergency

6.4.19 UFSAR Section 1.13.2

6.4.20 Severe Accident Management Plans

6.4.21 Technical Support Guidelines

6.4.22 NEI 91-04 Severe Accident Issue Closure Guidelines

6.5 Commitment Annotation

6.5.1 A/R 0412127 Eval. NBR. 17 - TMI Action Plan Item I.A.1.2 (Entire Procedure ERP-200 and Appendix ERP-200-1, Form 6)

6.5.2 A/R A0801081 NBR. 01 (Inspection Report 50-352/353-93-19/19-Section 2.3 NOTE)

- 6.5.3 EP Action Item Q0004510 (Appendix ERP-200-1, Form 6, Page 2 of 5)
- 6.5.4 EP Action Item Q0004909 (Step 1.2)
- 6.5.5 EP Action Item Q0004907 (Appendix ERP-200-1, Form 6, Page 3 of 5)
- 6.5.6 PPIS A/R A0860443 EAL 1 (Appendix ERP-200-1, Forms 4 and 5)
- 6.5.7 EP Action Item Q0005493 (2.1.1)
- 6.5.8 EP Action Item Q0005405 (Appendix ERP-200-1, Form 6).

LGS
Effective Date: 3/27/01

APPENDIX ERP-200-1
EMERGENCY DIRECTOR FORMS

Form 1: EMERGENCY NOTIFICATION MESSAGE FORM

This is a Drill This is not a Drill

1. This is : _____ at Limerick Generating Station
My phone number is: _____. The time is _____

2. EMERGENCY CLASSIFICATION:

Unusual Event Site Area Emergency

Alert General Emergency

The Event has been Terminated

UNIT: _____ TIME: _____ DATE: _____

THIS REPRESENTS A/AN: Initial Declaration }
 Escalation }
 No Change } IN CLASSIFICATION STATUS
 Reduction }

3. BRIEF NON-TECHNICAL DESCRIPTION OF THE EVENT:

Relay this information to State/Local Agencies only

4. THERE IS: No }
 An Airborne } NON-ROUTINE RADIOLOGICAL RELEASE
 A Liquid } IN PROGRESS

5. WHEN GENERAL EMERGENCY IS THE INITIAL EVENT, PROVIDE PROTECTIVE ACTION RECOMMENDATION BELOW: (ONLY THE EMERGENCY DIRECTOR SHALL FURNISH THIS INFORMATION TO THE STATE AND COUNTIES)

6. WIND DIRECTION IS FROM: _____ WIND SPEED IS: _____

This is a Drill This is not a Drill

DATE: _____ TIME: _____ SHIFT MANAGER/ED APPROVAL: _____ (Ref. 6.5.2)

APPENDIX ERP-200-1

Form 2: UNUSUAL EVENT - STATION ANNOUNCEMENTS

NOTE: FOR ALTERNATIVE INSTRUCTIONS, CIRCLE THE APPROPRIATE PHRASE(S) TO BE ANNOUNCED.

DECLARATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE EMERGENCY DIRECTOR HAS DECLARED A UNUSUAL EVENT DUE TO

(REASON)

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

DE-ESCALATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE UNUSUAL EVENT CLASSIFICATION HAS BEEN TERMINATED.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

APPENDIX ERP-200-1

Form 3: ALERT - STATION ANNOUNCEMENTS

NOTE: FOR ALTERNATIVE INSTRUCTIONS, CIRCLE THE APPROPRIATE PHRASE(S) TO BE ANNOUNCED.

DECLARATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE EMERGENCY DIRECTOR HAS DECLARED AN ALERT DUE TO

(REASON)

ALL MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION REPORT TO YOUR EMERGENCY ASSEMBLY AREA.

ALL NON-ESSENTIAL PERSONNEL AND VISITORS AWAIT FURTHER PUBLIC ADDRESS INSTRUCTIONS.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

DE-ESCALATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE ALERT CLASSIFICATION HAS BEEN (DE-ESCALATED TO AN UNUSUAL EVENT) (TERMINATED).

ALL PERSONNEL SHALL AWAIT INSTRUCTIONS FROM THEIR TEAM LEADERS OR SUPERVISORS.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

APPENDIX ERP-200-1

Form 4: SITE AREA EMERGENCY - STATION ANNOUNCEMENTS

NOTE: FOR ALTERNATIVE INSTRUCTIONS, CIRCLE THE APPROPRIATE PHRASE(S) TO BE ANNOUNCED.

DECLARATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE EMERGENCY DIRECTOR HAS DECLARED A SITE AREA EMERGENCY DUE TO

(REASON)

ALL MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION REPORT TO YOUR EMERGENCY ASSEMBLY AREA.

ALL NON-ESSENTIAL PERSONNEL PREPARE FOR A SITE EVACUATION.

ALL VISITORS WILL REPORT WITH THEIR ESCORTS TO THE TECHNICAL SUPPORT CENTER EXIT. (Ref 6.5.6)

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

DE-ESCALATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE SITE AREA EMERGENCY CLASSIFICATION HAS BEEN (DE-ESCALATED TO AN UNUSUAL EVENT/ALERT) (TERMINATED).

ALL PERSONNEL SHALL AWAIT INSTRUCTIONS FROM THEIR TEAM LEADERS OR SUPERVISORS.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

APPENDIX ERP-200-1

Form 5: GENERAL EMERGENCY - STATION ANNOUNCEMENTS

NOTE: FOR ALTERNATIVE INSTRUCTIONS, CIRCLE THE APPROPRIATE PHRASE(S) TO BE ANNOUNCED.

DECLARATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE EMERGENCY DIRECTOR HAS DECLARED A GENERAL EMERGENCY DUE TO

(REASON)

ALL MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION REPORT TO YOUR EMERGENCY ASSEMBLY AREA.

ALL NON-ESSENTIAL PERSONNEL PREPARE FOR A SITE EVACUATION.

ALL VISITORS WILL REPORT WITH THEIR ESCORTS TO THE TECHNICAL SUPPORT CENTER EXIT. (Ref 6.5.6)

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

DE-ESCALATION MESSAGE

ATTENTION ALL PERSONNEL. ATTENTION ALL PERSONNEL.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

THE GENERAL EMERGENCY CLASSIFICATION HAS BEEN (DE-ESCALATED TO AN UNUSUAL EVENT/ALERT/SITE AREA EMERGENCY) (TERMINATED).

ALL PERSONNEL SHALL AWAIT INSTRUCTIONS FROM THEIR TEAM LEADERS OR SUPERVISORS.

THIS (IS) (IS NOT) A DRILL. REPEAT, THIS (IS) (IS NOT) A DRILL.

Appendix ERP-200-1

Form 6: EMERGENCY DIRECTOR CHECK-OFF LIST

(Ref. ERP-200, Section 6.5.1)

(Page 1 of 5)

NOTE: AS EMERGENCY CLASSIFICATION ESCALATES/DE-ESCALATES,
COL WILL HELP KEEP TRACK OF COMPLETED STEPS.

ASTERISK STEPS MAY HAVE TO BE REPEATED.

MARK STEPS N/A IF NOT NECESSARY TO PERFORM.

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 6.5.8)

Appendix ERP-200-1
Form 6: EMERGENCY DIRECTOR CHECK-OFF LIST
(Ref. ERP-200, Section 6.5.1)
(Page 2 of 5)

INITIAL ACTIONS	UNUSUAL EVENT	ALERT	SITE AREA	GENERAL
Implement ERP-140 Staffing Augmentation	Opt			
Start accident assessment log in MCR; event log in TSC (Ref. ERP-200 Sect. 6.5.3)				
Verify classification				
* Obtain wind direction and speed				
Consider performing analysis of release to determine isotopic mix for input into Mesorem, Jr. Obtain updates on dose projections and field survey data from DATL.				
Recommend PAR to Senior State Official(Prelude Ext. 116)	N/A	N/A	N/A	
<u>IF</u> General without prior classif. <u>THEN</u> include PAR on notification form	N/A	N/A	N/A	
If PEMA does not answer, just evacuate full EPZ	N/A	N/A	N/A	
* Fill out and sign Notification Form (ERP-200-1, Form 1)				
* Communicator start phone notification (except NRC)(ERP-110)				
* Direct NRC Communicator (licensed) contact NRC per ERP-110				
<u>IF</u> General with prior classifications <u>THEN</u> provide PAR to the Senior State Official (Prelude ext. 116) based on ERP-101 and ERP-300	N/A	N/A	N/A	
If the Senior State Official is not available contact counties and recommend shelter or evacuate full EPZ	N/A	N/A	N/A	
* Announce Emergency classification utilizing Appendix ERP-200-1, Form 2-5				
* Implement Station Evacuation if deemed appropriate (ERP-120)				

Appendix ERP-200-1

Form 6: EMERGENCY DIRECTOR CHECK-OFF LIST
(Ref. ERP-200, Section 6.5.1)
(Page 3 of 5)

INITIAL ACTIONS	UNUSUAL EVENT	ALERT	SITE AREA	GENERAL
Activate OSC (ERP-230) Release:	Opt			
Limerick Training Center	N/A			
Limerick Information Center	N/A			
If TSC is uninhabitable transfer TSC to MCR				
Prepare for Site Evacuation utilizing ERP-120: (Ref 6.5.5)				
Obtain met data from HP Tech/Dose Assessment Coordinator	N/A	Opt		
Select assembly area and exit route	N/A			
Inform Security Team Leader and Health Physics Team Leader	N/A			
Inform PEMA (Prelude ext. 116)	N/A			
Direct Health Physics Team Leader implement ERP-630	N/A			
Notify Assembly Area of Evacuation	N/A			
Announce evacuation from Main Control Room per ERP-120 step 2.3.	N/A			
Obtain TSC ERO Activation Checklist from EP Coordinator utilizing Form 10.				
Complete ED Turnover Form ERP-200-1, Form-8				

Appendix ERP-200-1

Form 6: EMERGENCY DIRECTOR CHECK-OFF LIST
(Ref. ERP-200, Section 6.5.1)
(Page 4 of 5)

CONTINUING ACTIONS	UNUSUAL EVENT	ALERT	SITE AREA	GENERAL
Notified of activation:				
OSC (ERP-230)	Opt			
EOF (ERP-C-1000)	N/A	Opt		

WARNING: IN THE CASE OF AN ON-GOING SECURITY COMPROMISE THE GUIDANCE OF FORM 7 MAY BE USED TO EVALUATE OPERATING DECISIONS ON BOTH UNITS IN LIGHT OF NUCLEAR AND PERSONNEL SAFETY WHICH MAY BE AFFECTED BY SECURITY THREAT (REF A/R A0811805 AE-02)

Periodically Re-evaluate the need for local, partial, or site evacuations				
Periodically evaluate unaffected Unit Status using Appendix ERP-200-1, Form 7				
Obtain periodic status updates from team leaders				
If additional staffing required, Contact Support Personnel				
Announce emergency status changes over P.A.				
IF plant conditions warrant, implement Severe Accident Management (SAM) program.	N/A	N/A	N/A	
Verify with TSTL that SAM evaluators have been designated.	N/A	N/A	N/A	
Review recommendations from SAM evaluators for potential strategies to mitigate emergency.	N/A	N/A	N/A	
Direct implementation of selected SAM strategies.	N/A	N/A	N/A	

Appendix ERP-200-1

Form 6: EMERGENCY DIRECTOR CHECK-OFF LIST
(Ref. ERP-200, Section 6.5.1)
(Page 5 of 5)

CONTINUING ACTIONS	UNUSUAL EVENT	ALERT	SITE AREA	GENERAL
Notified of activation:				
OSC (ERP-230)	Opt			
EOF (ERP-C-1000)	N/A	Opt		

WARNING: IN THE CASE OF AN ON-GOING SECURITY COMPROMISE THE GUIDANCE OF FORM 7 MAY BE USED TO EVALUATE OPERATING DECISIONS ON BOTH UNITS IN LIGHT OF NUCLEAR AND PERSONNEL SAFETY WHICH MAY BE AFFECTED BY SECURITY THREAT (REF A/R A0811805 AE-02)

Coordinate release of personnel from off-site assembly areas with Security Team Leader and Health Physics Team Leader				
Perform briefings/turnover Appendix ERP-200-1, Form 8				
Until relieved by ERM:				
Evaluate PAR's with Dose Assessment Coordinator:	N/A	N/A	N/A	
If modified, provide PAR's to Senior State Official (Prelude ext. 116)	N/A	N/A	N/A	

COMPLETED BY _____

APPENDIX ERP-200-1

FORM 7: UNAFFECTED UNIT OPERATION
(PAGE 1 OF 4)

NOTE: Accident conditions on one unit necessitate consideration be given as to the course of action on the unaffected unit. This form provides guidance for determination of action to take regarding operation of the unaffected unit.

The ultimate decisions on the course of action for the unaffected unit need to consider the availability of manpower to implement the decisions, and the technical effect of the action taken on the emergency as applicable.

Unaffected Unit: OPCON _____ Reaction Power _____

1. Terminate releases in progress on the unaffected unit unless required to support the emergency.
2. If reactor start-up is in progress, terminate start-up,

INITIALS

APPENDIX ERP-200-1

FORM 7: UNAFFECTED UNIT OPERATION
(PAGE 2 OF 4)

3. If reactor heatup is in progress, terminate heatup & maintain unit in stable condition.

Periodically evaluate the status of both Units to determine whether the unaffected unit should remain at stable conditions established or be returned to Cold Shutdown.

4. If unit is in Hot Shutdown, maintain unit in Hot Shutdown.
5. If unit is being started up and the turbine is not synchronized to grid, maintain unit in a Steady State Condition.

INITIALS

APPENDIX ERP-200-1

FORM 7: UNAFFECTED UNIT OPERATION
(PAGE 3 OF 4)

6. If turbine is synchronized to grid, stabilize unit at its present load.

Periodically evaluate the status of both units to determine whether the unaffected unit should remain in power, or be placed in Hot Shutdown or Cold Shutdown condition.
7. If unit is being cooled down, continue cooldown in accordance with operating procedure until Cold Shutdown is achieved and maintain in Cold Shutdown.
8. If Drywell is being purged, terminate Drywell purge.
9. Suspend any core alterations in progress in accordance with fuel handling procedures.
10. If the Fuel Cavity is being filled, continue filling.
11. If the Refueling Cavity is being drained terminate draining.

INITIALS

APPENDIX ERP-200-1

FORM 7: UNAFFECTED UNIT OPERATION
(PAGE 4 OF 4)

INITIALS

12. Identify Technical Specification Action Statement applicable to unaffected unit and requirements to address action statements.

13. Identify common equipment affected by the accident and its effect on the unaffected unit.

Unit _____

Time _____

Date _____

Emergency Director _____

FORM 8: EMERGENCY DIRECTOR TURNOVER/BRIEFING FORM

AFFECTED UNIT: 1 2

CURRENT EMERGENCY CLASSIFICATION: _____

NOTIFICATION COMPLETED? Yes No

PREVIOUS CLASSIFICATIONS: _____

TIME: _____ EAL: _____

PROTECTIVE ACTION RECOMMENDATIONS:

PAR: _____

AFFECTED SECTORS: _____

ISSUED TO: _____

TIME: _____

AFFECTED UNIT PLANT STATUS:

% POWER _____

SYSTEM AVAILABILITY:

FACILITY ACTIVATIONS:

FACILITY MANAGER:

HPCI Yes No

MCR SHIFT MANAGER

RCIC Yes No

osc Yes No

ADS Yes No

TSC Yes No

COND/FEED Yes No

A LOOP C/S Yes No

B LOOP C/S Yes No

EOF Yes No

OTHER INFORMATION

A LOOP RHR Yes No

FIRE Yes No

B LOOP RHR Yes No

INJURY Yes No

RHR SW Yes No

ACCOUNTABILITY COMPLETE?

ESW Yes No

Yes No

SBLC Yes No

CRD Yes No

ERDS ACTIVATED?

Yes No

OFFSITE POWER Yes No

RPV PRESSURE BOUNDARY INTACT

Yes No

DIESELS Yes No

CONTAINMENT INTACT?

Yes No

COMMENTS: _____

PRIORITIES: _____

UNAFFECTED UNIT: 1 2 %POWER: _____

COMMENTS: _____

RAD CONDITIONS:

ELEVATED LEVELS IN PLANT?

Yes No RELEASE IN PROGRESS?

Yes No

RELEASE PATH _____

SGTS AVAILABLE?

Yes No

COMMENTS: _____

COMPLETED BY: _____ DATE: _____ TIME: _____

FORM 10: TSC ERO ACTIVATION CHECKLIST
(Ref. ERP-200, Form 6, Page 3 of 5)

Initial Actions - TSC Activation

1. _____ Contact Shift Manager and the OSC Director
2. _____ Complete the ED Turnover/Briefing Form - Form 8.
3. _____ Verify access to data is available for assessment of plant conditions.
4. _____ Determine from the HPTL, TSC radiological habitability status.
5. _____ Verify with Dose Assessment Coordinator, dose assessment is initiated (this step is not required if dose assessment has been assumed by the unaffected station).
6. _____ Verify sufficient staff is available to mitigate the emergency utilizing the "Minimum Staffing Positions, Form 11".
7. _____ Initiate Accident Assessment Log.
8. _____ Ensure activation of the Emergency Response Data System.
9. _____ Announce "TSC Activated" both in the TSC and on the plant PA system.

NOTE

1. Items 7 and 8 are not required to be completed prior to activation of the TSC, but should be addressed as soon as possible.
2. When satisfied that all designated positions have been filled, release additional responders.

FORM 11: MINIMUM STAFFING POSITIONS
NECESSARY TO ACTIVATE THE TSC

- Emergency Director
- Technical Support Team Leader
- Dose Assessment Coordinator
- Health Physics Team Leader
- ED Communicator

NOTE: SHOULD CERTAIN POSITIONS BE UNFILLED AT THE TIME ACTIVATION IS NECESSARY, ALTERNATIVE STAFFING ARRANGEMENTS CAN BE IMPLEMENTED, AS FOLLOWS:

- Technical Support Group Member for Technical Support Team Leader
- Unaffected Site Dose Assessment Personnel for Dose Assessment Coordinator
- Health Physics Group Member for Health Physics Team Leader
- Any TSC ERO Member for ED Communicator

ATTACHMENT 1

LIMERICK GENERATING STATION, UNITS 1 & 2

**Docket Nos. 50-352
50-353**

**License Nos. NPF-39
NPF-85**

EMERGENCY RESPONSE PROCEDURES

**ERP-200, "Emergency Director (ED) Response"
Revision 14**

**ERP-200-1, "Emergency Notification Message Form"
Revision 11**

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
LG	PROC	ERP	ERP-C-1000	0005	EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION/DEACTIVATION	04/21/99		
LG	PROC	ERP	ERP-C-1000-1	0002	EOF ACTIVATION CHECKLIST	04/21/99		
LG	PROC	ERP	ERP-C-1000-2	0003	EOF DEACTIVATION CHECKLIST	04/21/99		
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 INCORPORATED INTO ERP-C-1250	09/14/94		
LG	PROC	ERP	ERP-C-1200	0009	EMERGENCY REPSONSE MANAGER	04/03/00	LWE	
LG	PROC	ERP	ERP-C-1200-1	0000	EMERGENCY RESPONSE MANAGER TURNOVER/BRIEFING FORM	09/14/94		
LG	PROC	ERP	ERP-C-1200-2	0000	PROTECTIVE ACTION RECOMMENDATION WORKSHEET CANCELLED	10/24/95		
LG	PROC	ERP	ERP-C-1200-3	0000	ERM PAR DELIVERY CHECKLIST	04/03/00		
LG	PROC	ERP	ERP-C-1210	0002	ASSISTANT EMERGENCY RESPONSE MANAGER (AERM) CANCELLED	10/24/95		
LG	PROC	ERP	ERP-C-1250	0003	EMERGENCY PREPAREDNESS COORDINATOR/EOF	11/02/98		
LG	PROC	ERP	ERP-C-1250-1	0000	EMERGENCY POWER INSTRUCTIONS	09/14/94		
LG	PROC	ERP	ERP-C-1250-2	0001	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR ASPEN BACKUP NOTIFICATION SYSTEM	04/02/98		
LG	PROC	ERP	ERP-C-1250-3	0000	EMERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS TO STOP STAFFING	09/14/94		
LG	PROC	ERP	ERP-C-1250-4	0000	ENERGENCY PREPAREDNESS COORDINATOR INSTRUCTIONS FOR SYSTEM RESET	09/14/94		
LG	PROC	ERP	ERP-C-1300	0010	EMERGENCY OPERATIONS FACILITY (EOF) DOSE ASSESSMENT TEAM LEADER	08/29/00		
LG	PROC	ERP	ERP-C-1300-1	0003	DOSE ASSESSMENT TEAM LEADER INITIAL ACTIONS	04/03/00		
LG	PROC	ERP	ERP-C-1300-2	0000	DOSE ASSESSMENT TURNOVER LIST	09/23/94		
LG	PROC	ERP	ERP-C-1300-3	0003	PROTECTIVE ACTION RECOMMENDATION WORKSHEET	11/02/98		
LG	PROC	ERP	ERP-C-1300-4	0000	OFFSITE SAMPLE ANALYSIS REQUESTS	09/23/94		
LG	PROC	ERP	ERP-C-1300-5	0001	DETERMINATION OF PROTECTIVE ACTION RECOMMENDATIONS (PARS)	11/02/98		
LG	PROC	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		
LG	PROC	ERP	ERP-C-1300-8	0000	USE OF MODE A/MODE B CDM	03/26/97		
LG	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 CANCELLED	03/26/97		
LG	PROC	ERP	ERP-C-1310-1	0000	DOSE ASSESSMENT GROUP LEADER INITIAL ACTIONS CANCELLED	03/26/97		
LG	PROC	ERP	ERP-C-1310-2	0000	OBTAINING MET DATA FROM NATIONAL WEATHER SERVICE CANCELLED	03/26/97		
LG	PROC	ERP	ERP-C-1310-3	0000	OBTAINING EPDS MET/RAD DATA CANCELLED	03/26/97		
LG	PROC	ERP	ERP-C-1310-4	0000	USE OF MODE A / MODE B OF CDM CANCELLED	03/26/97		
LG	PROC	ERP	ERP-C-1320	0007	EMERGENCY OPERATIONS FACILITY (EOF) FIELD SURVEY GROUP LEADER	08/29/00		
LG	PROC	ERP	ERP-C-1320-1	0002	FIELD SURVEY GROUP LEADER INITIAL ACTIONS	04/10/98		
LG	PROC	ERP	ERP-C-1320-2	0001	FIELD SURVEY GROUP LEADER TURNOVER SHEET	03/26/97		
LG	PROC	ERP	ERP-C-1320-3	0002	FIELD SURVEY GROUP LEADER DATA SHEET	08/29/00		
LG	PROC	ERP	ERP-C-1400	0004	ENGINEERING SUPPORT TEAM	11/02/98		
LG	PROC	ERP	ERP-C-1400-1	0002	ENGINEERING SUPPORT TEAM CHECKLIST	11/02/98		
LG	PROC	ERP	ERP-C-1410	0002	CORE DAMAGE ASSESSMENT	09/09/98		

PROCEDURE INDEX REPORT:

FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
LG	PROC	ERP	ERP-C-1410-1	0000	RADIOLOGICAL DATA	09/14/94		
LG	PROC	ERP	ERP-C-1410-2	0001	HYDROGEN CONCENTRATION DATA	09/09/98		
LG	PROC	ERP	ERP-C-1410-3	0001	CONTAINMENT RADIATION MONITOR DATA	09/09/98		
LG	PROC	ERP	ERP-C-1410-4	0000	METAL WATER REACTION CANCELLED	09/09/98		
LG	PROC	ERP	ERP-C-1410-5	0001	PERCENT OF FUEL INVENTORY AIRBORNE IN THE CONTAINMENT VS. APPROXIMATE SOURCE AND DAMAGE ESTIMATE	09/09/98		
LG	PROC	ERP	ERP-C-1410-6	0001	PROCEDURES FOR ESTIMATING FUEL DAMAGE BASED ON MEASURED I-131 AND XE-133 CONCENTRATIONS	09/09/98		
LG	PROC	ERP	ERP-C-1500	0006	LOGISTIC SUPPORT TEAM	04/14/00		
LG	PROC	ERP	ERP-C-1500-1	0001	MESSAGE AND INFORMATION INSTRUCTIONS	10/24/95		
LG	PROC	ERP	ERP-C-1500-2	0001	HELICOPTER LANDING INFORMATION	10/24/95		
LG	PROC	ERP	ERP-C-1900	0004	RECOVERY PHASE IMPLEMENTATION	11/02/98		
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		
LG	PROC	ERP	ERP-C-1900-4	0002	RECOVERY PLAN OUTLINE	04/02/98		
LG	PROC	ERP	ERP-C-1900-5	0002	ASSESSMENT CONSIDERATIONS	12/28/99		
LG	PROC	ERP	ERP-101	0011	CLASSIFICATION OF EMERGENCIES	09/14/99	LWE	
LG	PROC	ERP	ERP-101 BASES	0000	LGS EAL TECHNICAL BASIS MANUAL	09/16/99		
LG	PROC	ERP	ERP-106	0003	WRITTEN SUMMARY NOTIFICATION	11/22/95	LWE	
LG	PROC	ERP	ERP-110	0032	EMERGENCY NOTIFICATION	01/12/01	LWE	
LG	PROC	ERP	ERP-120	0006	STATION EVACUATIONS	11/14/97	LWE	
LG	PROC	ERP	ERP-140	0009	STAFFING AUGMENTATION	02/03/98	LWE	
LG	PROC	ERP	ERP-200	0014	EMERGENCY DIRECTOR (ED) RESPONSE	03/27/01	LWE	
LG	PROC	ERP	ERP-200-1 APP	0011	EMERGENCY NOTIFICATION MESSAGE FORM	03/27/01	LWE	
LG	PROC	ERP	ERP-200-2 APP	0000	DOSE ASSESSMENT DATA SHEET	06/20/00		
LG	PROC	ERP	ERP-230	0014	OPERATIONS SUPPORT CENTER (OSC) DIRECTOR	04/14/00	LWE	
LG	PROC	ERP	ERP-230 APPENDIX 1	0000	OSC - EMERGENCY COMMUNICATIONS EQUIPMENT CHECK LIST	04/14/00		
LG	PROC	ERP	ERP-230 APPENDIX 2	0000	OSC DIRECTOR ACTIVATION CHECK-OFF LIST	04/14/00		
LG	PROC	ERP	ERP-230 APPENDIX 3	0000	OPERATIONS SUPPORT CENTER FACILITY ACCOUNTABILITY LOG	04/14/00		
LG	PROC	ERP	ERP-230 APPENDIX 4	0000	OSC DIRECTOR ACTIVATION	04/14/00		
LG	PROC	ERP	ERP-300	0022	TSC/MCR DOSE ASSESSMENT TEAM	04/03/00	LWE	
LG	PROC	ERP	ERP-300 APPENDIX 1	0000	DOSE ASSESSMENT TEAM ACTIVATION	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 2	0000	DOSE ASSESSMENT TEAM CHECK-OFF LIST	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 3	0001	TURNOVER OF DOSE ASSESSMENT RESPONSIBILITIES	06/19/00		
LG	PROC	ERP	ERP-300 APPENDIX 4	0000	DOSE ASSESSMENT DATA SHEET	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 5	0000	USE OF MESOREM, JR, AUTO MODE A	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 6	0000	OBTAINING RADIOLOGICAL DATA	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 7	0000	OBTAINING MET DATA FROM PLANT MONITORING SYSTEM (PMS)	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 8	0000	OBTAINING METEOROLOGICAL DATA FROM NATIONAL WEATHER SERVICE	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 9	0001	PROTECTIVE ACTION WORKSHEET	06/19/00		
LG	PROC	ERP	ERP-300 APPENDIX 10	0000	USE OF NORTH STACK DOSE RATE TO ESTIMATE RELEASE SOURCE TERM	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 11	0000	OPERATION OF IBM PS/2 MODEL L40SX	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 12	0000	LIMERICK LIQUID RELEASE DOSE CALCULATIONS	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 13	0000	DOSE ASSESSMENT SELF-CHECK	04/03/00		
LG	PROC	ERP	ERP-300 APPENDIX 14	0000	STABILITY CLASS DETERMINATION	04/03/00		
LG	PROC	ERP	ERP-316	0000	OPERATION OF THE DOSE ASSESSMENT COMPUTER (CM-4)	06/20/00		
LG	PROC	ERP	ERP-326	0000	SHIFT DOSE ASSESSMENT PERSONNEL (SDAP)	06/20/00		
LG	PROC	ERP	ERP-330	0000	USE OF NORTH STACK-DOSE RATE TO ESTIMATE RELEASE SOURCE TERM	11/14/94	LWE	

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FAC	DOC TYPE	PROC TYPE	PROCEDURE NUMBER	CURR REV NBR	TITLE	EFFECTIVE DATE	RESP GROUP	SYSTEM NBR
LG	PROC	ERP	ERP-330	0000	CANCELLED INCORPORATED INTOERP-300 APP.10	11/14/94	LWE	
LG	PROC	ERP	ERP-340	0008	FIELD SURVEY GROUP	06/20/00	LWE	
LG	PROC	ERP	ERP-350	0003	RADIOACTIVE LIQUID RELEASE CANCELLED	11/10/94	LWE	
LG	PROC	ERP	ERP-360	0003	ADJUSTMENT OF WIDE RANGE GAS MONITOR CONVERSION FACTORS	10/18/99	LWE	
LG	PROC	ERP	ERP-370	0001	USE OF RMMS FOR DOSE ASSESSMENT CANCELLED	11/10/94	LWE	
LG	PROC	ERP	ERP-400	0012	CHEMISTRY SAMPLING AND ANALYSIS TEAM	09/28/98	LWE	
LG	PROC	ERP	ERP-410	0002	SAMPLE PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE LIQUID SAMPLES	09/28/98	LWE	
LG	PROC	ERP	ERP-420	0002	SAMPLE PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE PARTICULATE FILTERS AND IODINE CARTRIDGES	09/28/98	LWE	
LG	PROC	ERP	ERP-430	0002	SAMPLE PREPARATION AND HANDLING OF HIGHLY RADIOACTIVE GAS SAMPLES	09/28/98	LWE	
LG	PROC	ERP	ERP-440	0002	OFF-SITE ANALYSIS OF HIGH ACTIVITY SAMPLES	03/29/95	LWE	
LG	PROC	ERP	ERP-500	0016	SECURITY TEAM	04/14/00	LWE	
LG	PROC	ERP	ERP-500 APPENDIX 1	0000	SECURITY TEAM ACTIVATION	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 2	0000	SECURITY TEAM STAFFING GUIDELINES	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 3	0000	STAFFING FOR SITE EVACUATION	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 4	0000	SECURITY EVACUATION GUIDANCE	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 5	0000	SECURITY TEAM LEADER CHECK-OFF LIST	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 6	0000	EMERGENCY ASSEMBLY AREAS	04/14/00		
LG	PROC	ERP	ERP-500 APPENDIX 7	0000	FACILITY ACCOUNTABILITY LOG TECHNICAL SUPPORT CENTER	04/14/00		
LG	PROC	ERP	ERP-600	0012	HEALTH PHYSICS TEAM	05/19/98	LWE	
LG	PROC	ERP	ERP-620	0002	PLANT SURVEY GROUP CANCELLED - NO REPLACEMENT	05/02/95	LWE	
LG	PROC	ERP	ERP-630	0003	VEHICLE AND EVACUEE CONTROL GROUP	03/29/95	LWE	
LG	PROC	ERP	ERP-640	0008	EMERGENCY RESPONSE FACILITY HABITABILITY	04/17/99	LWE	
LG	PROC	ERP	ERP-650	0010	ENTRY FOR EMERGENCY REPAIR AND OPERATIONS	06/20/00	LWE	
LG	PROC	ERP	ERP-660	0006	DISTRIBUTION OF THYROID BLOCKING TABLETS	04/17/99	LWE	
LG	PROC	ERP	ERP-700	0016	TECHNICAL SUPPORT TEAM	02/15/01	LWE	
LG	PROC	ERP	ERP-800	0020	MAINTENANCE TEAM	12/15/00	LWE	
LG	PROC	ERP	ERP-800 APPENDIX 1	0000	TASK BRIEFING/DEBRIEFING SHEET	04/14/00		
LG	PROC	ERP	ERP-800 APPENDIX 2	0000	MAINTENANCE TEAM ACTIVATION	04/14/00		
LG	PROC	ERP	ERP-800 APPENDIX 3	0001	TECHNICAL SUPPORT CENTER ACTIVATION	12/15/00		
LG	PROC	ERP	ERP-800 APPENDIX 4	0001	OFFSITE SIRENS ACTIVATION (REF. 6.5.1)	12/15/00		

** END OF REPORT **