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AmerGen
An Exelon/British Energy Company

10 CFR 50 App. E

July 16, 2002
2130-02-20194

United States Nuclear Regulatory Commission
Document Control Desk
Washington DC 20555

Subject: Oyster Creek Generating Station
Docket 50-219
Emergency Plan Implementing Procedure Revisions

In accordance with 10 CFR 50 Appendix E, Section V, enclosed is the revised index for the Oyster Creek Emergency Plan Implementing Procedures and the below listed procedures:

Procedure Number	Title	Revision
EPIP-OC- .10	The Operations Support Center	13
EPIP-OC- .27	Emergency Radiological Surveys Onsite	14
EPIP-OC- .41	Emergency Duty Roster Activation	8

If any further assistance or information is required, please contact Mr. John Rogers, of my staff, at 609.971.4893

Very truly yours,

Ron J. DeGregorio, Vice President
Oyster Creek Generating Station

RJD/JJR
cc: Administrator, Region I (2 copies)
NRC Senior Resident Inspector

A045

EPIP SERIES - EMERGENCY PLAN IMPLEMENTING PROCEDURES

PROCEDURE NO.	TITLE	REV.	DATE
6630-ADM-4010.03	Emergency Dose Calculation Manual (EDCM)	11	07/23/00
EPIP-OC-.01	Classification of Emergency Conditions	13	05/31/02
EPIP-OC-.02	Direction of Emergency Response/Emergency Control Center	30	11/19/01
EPIP-OC-.03	Emergency Notification	29	11/07/01
EPIP-OC-.06	Additional Assistance and Notification	26	12/12/01
EPIP-OC-.10	Emergency Radiological Surveys Onsite	13	04/19/02
EPIP-OC-.11	Emergency Radiological Surveys Offsite	17	11/07/01
EPIP-OC-.12	Personnel Accountability	9	07/07/01
EPIP-OC-.13	Site Evacuation & Personnel Mustering at Remote Assembly Areas	10	01/31/02
EPIP-OC-.25	Emergency Operations Facility (EOF)	26	12/04/01
EPIP-OC-.26	The Technical Support Center	23	07/05/01
EPIP-OC-.27	The Operations Support Center	14	04/19/02
EPIP-OC-.31	Environmental Assessment Command Center	11	08/08/00
EPIP-OC-.33	Core Damage Estimation	5	08/08/00
EPIP-OC-.35	Radiological Controls Emergency Actions	15	12/17/01
EPIP-OC-.40	Site Security Emergency Actions	12	12/11/01
EPIP-OC-.41	Emergency Duty Roster Activation	8	07/02/02
EPIP-OC-.44	Thyroid Blocking	2	07/21/01
EPIP-OC-.45	Classified Emergency Termination/Recovery	3	12/04/01
OEP-ADM-1319.01	Oyster Creek Emergency Preparedness Program	11	01/22/02
OEP-ADM-1319.02	Emergency Response Facilities & Equipment Maintenance	12	06/13/02
OEP-ADM-1319.04	Prompt Notification System	3	12/08/00
OEP-ADM-1319.05	Emergency Preparedness Event Reports	2	07/02/01

AmerGen

Telephone No. 609-971-4652 RM Dept.

DOCUMENT TRANSMITTAL

April 19, 2002

To:
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FOR NRC-WASHINGTON, DC
C/O ~~BETTY WILSON~~, OCAB-2
Barbara Johansen

PLEASE NOTE: IT IS IMPERATIVE THAT YOU NOTIFY RM OF ADDRESS CHANGES!!

FILE INSTRUCTIONS:	DESTROY OUTDATED:
EPIP-OC-.10 ENTIRE REV. 13	EPIP-OC-.10 ENTIRE REV. 12
EPIP-OC-.27 ENTIRE REV. 14	EPIP-OC-.27 ENTIRE REV. 13

FAILURE TO COMPLY WITH REQUIRED ACTION, WITHIN FIVE (5) WORKING DAYS OF THIS REQUEST, COULD RESULT IN A CAP.

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1. ADD REVISION TO YOUR CONTROLLED COPIES.
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SIGN AND RETURN TO: RECORDS MANAGEMENT, OCAB-1

NAME: _____ **DATE:** _____

YOUR SIGNATURE ON THIS FORM INDICATES THAT YOU HAVE FILED THE CURRENT REVISION. THIS SIGNED FORM CAN BE USED FOR AUDITING PURPOSES.

AmerGen An Exelon/British Energy Company	OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE	Number EPIP-OC-.27

Title		Revision No.
THE OPERATIONS SUPPORT CENTER		14
Applicability/Scope: Applies to work at Oyster Creek	Usage Level: 2	Responsible Department: Emergency Preparedness
This document is within QA plan scope: X Yes ___ No 50.59 Reviews Required: ___ Yes X No		Effective Date: 4-19-02

Prior Revision 13 incorporated the following Temporary Changes:

N/A

This Revision 14 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 14)

1.0 to 7.0
E1-1 to E1-6
E2-1 to E2-2
E3-1 to E3-2
E4-1 to E4-4
E5-1
E6-1 to E6-2
E7-1 to E7-2
E8-1
E9-1
E10-1
E11-1
E12-1 to E12-2
E13-1
E14-1
E15-1
E16-1

	Signature	Concurring Organization Element	Date
Originator	James E Bonsempo	EP Coordinator	04/09/2002
Approved By	R Mark Moore	Radiation Protection Manager	4/13/02

DOCUMENT HISTORY

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
4	05/94	Provide instructions on Exhibit 1B for Radwaste Operator Accountability.	
5	09/95	1. Clarify EX6A. 2. Clarify EX7A. 3. Modify EX8 to include UPS. 4. Modify EX10 to renumber damage equip. lockers.	
6	06/97	Improved method of information flow and computer equipment upgrades. Inclusion of communicators duties from EPIP-OC-.04	
7	01/98	Added a check on OSC Activation Checklist to make sure facility doors are open. Added a check on OSC Deactivation checklist to restore doors to original configuration. Delete ED/OPS & Plant Status lines. They are incorporated into OPS Coordinator line.	
8	10/99	Change "in accordance" to "suggested", pg. E1-1 & E7-1. Add RWP# to pg. E4-1 and add "typical arrangement" to pg. E8-1, E9-1. Add Fax Log E 14-1. Add GPU Emergency Message form E15-1, add Communication Log E16-1. Add "contact security for TEAM status update".	
9	DOS	Change references from GPU to OCNGS.	
10	09/00	Clarifies the activation of the OSC from the OSEO at the discretion of the ED.	
11	10/00	Add statement to ensure teams are logged into REM on line. Add statement for OSC coordinator to determine team status from Ops Coordinator.	
12	11/01	Add usage level, change 50.59 to "no", clarify communications link between OSC Coord., Tech. assist and OPS Coord. Remove reference to Maint. kits.	A. T. Smith
13	01/02	Exhibit 1B - Clarify NOTE regarding security coordinator tracking security teams. Exhibit 4A - Modify section for listing team members to allow more space for member name; clarify omitted columns.	J. Bontempo

DOCUMENT HISTORY

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
14	03/02	Provide guidance to replace used respiratory protection equipment. Clarify reference to GSS & SSM Pg. 5.0 Clarify Exhibit 1B Step 1.0 Pg. E1-3	J. Bontempo

1.0 PURPOSE

1.1 This procedure provides for the activation and functioning of the Operations Support Center (OSC) and Secondary Operations Support Center (SOSC).

1.1.1 The OSC is located in the Drywell Processing Center.

1.1.2 The SOSC is located in the rear of the Technical Support Center (TSC) on the first floor of the Site Emergency Building.

1.2 Guidance and direction are given by this procedure for Command and Control of the OSC, emergency team organization, search and rescue, and damage control operations.

2.0 APPLICABILITY/SCOPE

2.1 This procedure applies to OSC personnel and all others who support the OSC during declared or simulated emergencies.

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

4.1 The Operations Support Center (OSC) Coordinator will perform duties in accordance with Exhibit 1.

4.2 The Functional Area Coordinators will complete Exhibit 2A.

4.2.1 The Emergency Maintenance Coordinator (EMC) shall direct the activities of maintenance personnel involved in emergency maintenance repair and corrective actions. He may also direct the Equipment Operators in their Emergency Duties as directed by the Operations Coordinator.

NOTE
The Emergency Maintenance Coordinator shall ensure appropriate actions are taken to replace or replenish any respirator equipment used to respond to a plant emergency.

4.2.2 The Radiological Controls Coordinator (RCC) shall coordinate onsite and in-plant rad con support in accordance with EPIP-OC-.35, "Radiological Controls Emergency Actions."

4.2.3 The OSC Operations Coordinator, if assigned, shall receive directions from the Control Room through the OSC Coordinator and direct the emergency duties of the Equipment Operators.

4.2.4 The Medical Representative shall provide triage recommendations and medical assistance as required.

5.0 PROCEDURE

5.1 On Shift Emergency Organization will be directed to report to the appropriate areas by the Emergency Director (SM).

5.1.1 OSEO may not be required to immediately activate the OSC. Their activities will be determined by ED/SM.

5.2 Initial Response Emergency Organization (IREO) personnel will report to the OSC when they are notified of the activation of the ERO and perform the responsibilities identified in their assigned exhibits to this procedure and as requested by their emergency supervisors.

NOTE

Emergency Maintenance, Chemistry, Rad Con, and First Aid equipment locker locations are identified in Exhibit 10, OSC Kits and Locker Locations.

NOTE

Keys for locker padlocks are maintained in the OSC facility key locker, which will be unlocked upon activation of the center. The locker key is in the OSC Coordinator log book. The lock is the "Breakaway" type and can be twisted off by hand if necessary.

6.0 REFERENCES

6.1 2000-PLN-1300.01, OCGS Emergency Plan.

6.2 EPIP-OC-.01, Classification of Emergency Conditions.

6.3 EPIP-OC-.10, Emergency Radiological Surveys Onsite.

6.4 EPIP-OC-.12, Personnel Accountability.

6.5 EPIP-OC-.26, The Technical Support Center.

6.6 EPIP-OC-.35, Radiological Controls Emergency Actions.

6.7 Procedure 106, Conduct of Operations.

6.8 Procedure 106.6, Conduct of Chemistry Operations.

6.9 Procedure 124.2, Control of Plant Engineering Directed Replacements and Modifications.

6.10 Procedure OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance.

6.11 Procedure 831.10, Operation of the GE Post-Accident Sampling System.

7.0 EXHIBITS

7.1 OSC Coordinator Checklist
Exhibit 1A, Activation of OSC
Exhibit 1B, Operation of OSC
Exhibit 1C, Deactivation of OSC

7.2 Functional Area Coordinator Checklist
Exhibit 2A, Activation of OSC
Exhibit 2B, Operation of OSC

7.3 Search and Rescue Assignment
Exhibit 3A, Checklist
Exhibit 3B, Guidelines

7.4 Emergency Team Briefing/Debriefing
Exhibit 4A, Briefing Form
Exhibit 4B, Debriefing Form
Exhibit 4C, Briefing Guidelines
Exhibit 4D, Debriefing Guidelines

7.5 Emergency Job Planning Guidelines
Exhibit 5

7.6 Exhibit 6A, Evacuation of OSC to the SOSC OSC Coordinator Checklist
Exhibit 6B, Evacuation of OSC to the SOSC Functional Area Coordinators Checklist

7.7 Exhibit 7A, Activation of SOSC, OSC Coordinator Checklist
Exhibit 7B, Activation of SOSC, Functional Area Coordinators Checklist

7.8 Exhibit 8, OSC Floor Plan

7.9 Exhibit 9, SOSC Floor Plan

7.10 Exhibit 10, OSC Kits and Locker Locations

7.11 Exhibit 11, OSC Communicator - Team Status Tracking

7.12 Exhibit 12, OSC Communications Coordinator Responsibilities

7.13 Exhibit 13, OSC Emergency Shift Schedule

7.14 Exhibit 14, OSC Hy Fax Log

7.15 Exhibit 15, OSC Emergency Message

7.16 Exhibit 16, OSC Communication Log

EXHIBIT 1A

OSC COORDINATOR CHECKLIST
ACTIVATION OF OSC

CHECK

_____ 1.0 Ensure the OSC is set up as suggested in Exhibit 8.

_____ 2.0 The OSC should be declared activated when the following areas are functional:

NOTE
These areas need not be 100% staffed to be considered functional.

- Radiological Protection
- Maintenance Support (appropriate expertise)
- Communications links to Ops Coordinator and TSC Coordinator

_____ 3.0 Report OSC activated to the Operations Coordinator and log time. _____

3.1 Announce to OSC staff that center is activated.

3.2 Determine plant and teams status prior to OSC activation, and update center staff.

NOTE
The following actions should be performed expeditiously but are not necessary to declare the OSC functional.

_____ 4.0 Radiological Monitoring Established

_____ 5.0 Make sure facility access/egress doors are in the proper configuration. (Facility doors, including Drywell Process Facility, may lock automatically when closed. Tape over or otherwise disable locking mechanism to allow access/egress)

EXHIBIT 1A (continued)

OSC COORDINATOR CHECKLIST
ACTIVATION OF OSC

CHECK

_____ 6.0 Areas Staffed:

_____ 6.1 Emergency Maintenance Coordinator

_____ 6.2 Rad Con Coordinator

_____ 6.3 OSC Operations Coordinator

_____ 6.4 Medical Representative

_____ 6.5 OSC Communications Coordinator

_____ 6.6 Chemistry Coordinator

NOTE
Notify Security of OSC positions not manned and request appropriate persons be contacted.

_____ 7.0 Communications established

_____ 7.1 OSC Coordinator Line

_____ 7.2 Communications operability check completed on all center phone/fax systems. Report deficiencies to the OSC Communications Coordinator.

_____ _____

OSC Coordinator Date/Time

EXHIBIT 1B

OSC COORDINATOR CHECKLIST
OPERATION OF OSC

1.0 Maintain communications with Tech. Assistant in the TSC, the Operations Coordinator in the ECC. Receive team dispatch directions via the Emergency Director and/or Operations Coordinator.

2.0 Maintain communications with Functional Area Coordinators.

3.0 Perform job planning activities using Exhibit 5, Emergency Job Planning Guidelines.

4.0 Periodically advise Functional Area Coordinators to provide updates to their respective standby personnel.

5.0 Approve the call-out of additional support personnel requested by Functional Area Coordinators as required.

6.0 Evaluate the need for an Industrial Safety Representative to provide guidance and recommendations for work involving entry to confined spaces or extreme temperature work conditions.

7.0 Periodically advise the ED of the status of all OSC teams.

8.0 Notify the Emergency Director if OSC habitability conditions exist that could require evacuation.

9.0 If evacuation of OSC becomes necessary, refer to Exhibit 6 A & B, 7 A & B, Evacuation of OSC/Activation of SOSC.

10.0 Personnel accountability is performed as directed by the ECC.

EXHIBIT 1B
(continued)

OSC COORDINATOR CHECKLIST
OPERATION OF OSC

10.1 Announce Site Accountability to OSC Staff and ensure that all personnel present in the OSC have key carded into accountability card readers.

> NOTE
>
> Radwaste Operators will be tracked as a team at the "ALERT" level and above. Briefings and debriefings will be done via telephone or radio.

10.2 Instruct the OSC Communication Coordinator to call Main Gate Security with Radwaste Operator's name and keycard number(s) within ten (10) minutes of initial declaration of accountability.

> NOTE
>
> Security Coordinator will track locations and movements of Security Response Force and keep OSC advised.

11.0 If notified by the Security Shift Command/Designee of Security Computer Failure, complete Steps 11.1 - 11.3.

11.1 Assign individual to collect accountability badges.

11.2 Direct individual to sort cards into Main Gate and North Gate groups by color/gate design.

> NOTE
>
> Radwaste Operators will be tracked as a team at the "ALERT" level and above. Briefings and debriefings will be done via telephone or radio.

11.3 Direct individual to call both Main Gate and North Gate (when utilized) Security with badge slot number within ten (10) minutes of initial declaration of accountability.

12.0 If search and rescue activity is required, utilize Exhibits 3A/3B, Search and Rescue Assignment Checklist/Guidelines.

EXHIBIT 1C

OSC COORDINATOR CHECKLIST
DEACTIVATION OF OSC

CHECK

_____ 1.0 Directed by the Emergency Director or the Operations Coordinator to deactivate the center.

_____ 2.0 All teams recalled and debriefed.

3.0 All standby personnel notified of deactivation.

4.0 Emergency equipment replaced and restored to standby condition.

4.1 Contact Radiation Protection for replacement of all used Respiratory Protection Equipment.

_____ 5.0 Center returned to standby condition.

_____ 5.1 Restore tables and chairs as required.

_____ 5.2 Wipe all status boards clean.

_____ 5.3 Refile all prints and procedures as required.

_____ 5.4 Restore access/egress doors to original configuration. (including Drywell Process Facility Doors).

_____ 6.0 Documentation collected.

_____ 6.1 OSC Coordinator Checklist, Exhibit 1 A, B, C.

_____ 6.2 Functional Area Coordinator Checklists, Exhibit 2 A & B.

_____ 6.3 Search and Rescue Assignment Checklists, Exhibit 3 A & B.

_____ 6.4 Emergency Team Briefing/Debriefing Forms, Exhibit 4 A & B.

_____ 6.5 Evacuation of OSC/Activation of SOSC, OSC Coordinator Checklist, Exhibit 6 A & B.

_____ 6.6 Evacuation of OSC/Activation of SOSC, Functional Area Coordinator Checklist, Exhibit 7 A & B.

_____ 6.7 OSC Logs.

_____ 6.9 Emergency Message Forms.

_____ 6.10 Facsimile Machine transmitted documents.

_____ 6.11 Print copy of teams from team status computer.

EXHIBIT 1C (continued)

OSC COORDINATOR CHECKLIST
DEACTIVATION OF OSC

CHECK

_____ 7.0 Ensure the following are completed and report discrepancies to the Emergency Preparedness Manager or designee.

_____ 7.1 Deliver collected documents from Section 6.0.

_____ 7.2 Report missing supplies, equipment, and documents discovered in performing Sections 4.0 and 5.0.

_____ 8.0 Report OSC/SOSC secured to the Operations Coordinator in the Emergency Command Center.

_____ _____

OSC Coordinator Date/Time

EXHIBIT 2A

FUNCTIONAL AREA COORDINATOR CHECKLIST
ACTIVATION OF OSC

NOTE
All the listed steps need not be completed prior to declaring an area fully functional.

CHECK

_____ 1.0 Establish work area for respective work.

_____ 2.0 Assist other Functional Area Coordinators in arranging the OSC (Exhibit 8).

_____ 3.0 Establish telephone communications on respective emergency line.

_____ 4.0 Establish radio communications utilizing appropriate radio.

_____ 5.0 Notify the OSC Coordinator that you have assumed your duties and provide him with a shift schedule for extended operations if applicable.

_____ _____
Functional Area Coordinator Date

EXHIBIT 2B

FUNCTIONAL AREA COORDINATOR CHECKLIST
OPERATION OF OSC

- Maintain communications with OSC Coordinators.

> NOTE
>
> OSC Communications Coordinators shall perform their duties in accordance with Exhibit 12.

- Maintain awareness of activities of response teams assigned to their respective areas.
- Ensure team briefings are provided to each Emergency Response Team utilizing In-plant Emergency Response Team Briefing. Refer to Exhibit 4C/D, Emergency Team Briefing/Debriefing Guidelines.
- Provide team debriefing to each returning Emergency Response Team utilizing In-plant Emergency Response Team Debriefing.

> NOTE
>
> It may be necessary to debrief personnel dispatched prior to the activation of the OSC such as the Fire Brigade, Rad Con and Maintenance personnel to assess plant conditions.

- Coordinate Emergency Response Team activities with Rad Con Coordinator including ingress and egress routes, protective clothing and dosimetry requirements and allowable radiation exposure limits for each assignment.
- Ensure Emergency Response Teams in the field are advised of any changing plant conditions that could affect their routes of travel.
- Call out additional plant personnel as necessary with the OSC Coordinator's approval.
- Establish Relief Duty Roster as required.
- Ensure arriving personnel are directed to the standby assembly area in the Drywell Processing Center.
- Emergency Response Teams shall be formed by the Functional Area Coordinators as required, assigned a team leader, and furnished with portable two-way radio communications for contact with the OSC.

  If personnel radiation exposure is anticipated above the limits of 10 CFR 20, only volunteers shall be assigned as team members.

EXHIBIT 3A

SEARCH AND RESCUE ASSIGNMENT CHECKLIST

TIME/INITIALS

____/_____1.0 Notified by Emergency Director or Operations Coordinator of:

_____1.1 Missing person

_____1.2 Disabled Person

_____1.3 Trapped Person

____/_____2.0 Identification of Person

_____2.1 Name _____

_____2.2 Work Section _____

____/_____3.0 Last known work assignment

_____3.1 Building and Elevation _____

_____3.2 RWP Number _____

____/_____4.0 Emergency Team Number Assignment

_____

____/_____5.0 Functional Area Coordinator briefed

_____5.1 Area: _____

_____5.2 Rad Con Coordinator _____

____/_____6.0 Results

_____6.1 Located

_____6.2 Medical Treatment Required

_____6.3 Trapped

_____ _____
OSC Coordinator Review Date/Time

EXHIBIT 3B

SEARCH AND RESCUE GUIDELINES

NOTE
This section provides guidance in Search and Rescue during emergency conditions.
Paperwork required by procedures should be completed AS TIME PERMITS.
First aid and rescue actions shall have priority over other actions.

- The OSC Coordinator, upon notification of a missing or trapped individual by the Emergency Director or his designee, shall ensure a team is assigned to Search and Rescue and is dispatched in accordance with Sections 1.0 through 5.0 of Exhibit 3A, Search and Rescue Assignment.

- After the individual has been located and if medical assistance is necessary, the team assigned to search and rescue shall render first aid. The OSC Coordinator shall be informed. The RCC shall be informed and assign response using 6630-ADM-4330.02 Attachment 6630-ADM-4330.02-8, Response to a contaminated injury requiring transit offsite

- Search and rescue operations may be terminated by the Emergency Director or his designee when all of the following conditions are met:

  - All missing persons have been accounted for.

  - All injured or disabled persons are in the care of medical personnel in accordance with applicable medical procedures or have been released by the medical representative.

  - All trapped persons have been rescued and released from their entrapment to return to their duties.

  - Search and rescue teams have returned to their duty station to stand by.

EXHIBIT 4A
IN-PLANT EMERGENCY RESPONSE TEAM BRIEFING

Team #:_____ Destination:_____
Priority #: _____ RWP# _____
(the Emergency RWP enables the ESRD Dose Rate Function)

Purpose/Job Description: _____

Team Members & Resp. Qual. Status & Available Exposure: (*Team Leader)

NAME	FFNP	SCBA	EXP. Aval.	EXP. RCV
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____
_____	☐	☐	____	____

Verify Radio Communications Yes ☐ No ☐ N/A ☐

RADIOLOGICAL DATA

Authorized Stay Time:_____ HRS. Estimated Exposure:_____ mRem

PCs Required: ☐ Single PCs ☐ Double PCs ☐ Single PCs w/wet suit ☐ Rubber Boots ☐ Partial PCs Misc._____

Resp. Protection:_____ Dosimetry Req: TLD ☐ 200 mr SRD ☐ 500 mr SRD ☐ _____ SRD ☐

Recommended Route:_____

Team authorized to exceed normal limits (Y/N): ___ to what dose _____ mRem
ED approval required for emergency exposure;
Person verifying ED written approval: _____ _____
Print/Sign Date/Time

Special radiological requirements:_____

Reviewed ARM data: ☐ Yes ☐ No ☐ N/A

RCC/Designee:_____ _____
Print/Sign Date/Time

Functional Area coordinator/Designee:_____ _____
Print/Sign Date/Time

OSC Coordinator:_____ _____
Print/Sign Date/Time

Date & Time Dispatched:_____

EXHIBIT 4B

IN-PLANT EMERGENCY RESPONSE TEAM DEBRIEFING

Team Number: _____ Date: _____

Task Completed: (Y/N) _____ Time Back: _____

Status/Work Performed _____

_____

_____

Observed Abnormal Conditions: (Y/N) _____

Exposure Received: _____

_____

_____

Observed plant hazards (i.e., steam, water, electrical, abnormal radiological conditions)

_____

_____

Confirmation of Route: _____

_____

Debriefing Completed/Time: _____

Assessment of Damage/Comments/Materials Used: _____

_____

_____

Rad Con Coordinator/Designee	Date	Time
Functional Area Coordinator/Designee	Date	Time
OSC Coordinator	Date	Time

JO# _____

EXHIBIT 4C

EMERGENCY TEAM BRIEFING/DEBRIEFING GUIDELINES
EMERGENCY TEAM BRIEFING

NOTE

The RCC shall identify conditions that do not include radiological concerns (i.e., fire outside RCA, no radiological release in progress and not imminent, etc.). In these instances, direct Rad Con coverage may be deleted with concurrence of the OSC Coordinator.

- All departures from the OSC shall be approved by the OSC Coordinator. Names and team numbers of departing personnel shall be logged in the OSC for personnel accountability.
- Ensure all team members are logged into RWP. REM on line and issued appropriate dosimetry.
- OSC Functional Coordinators and/or team leaders shall brief teams using the In-plant Emergency Response Team Briefing Form, Exhibit 4A.
- The Radiological Controls Coordinator, or his designee, shall brief all departing teams in coordination with the team's respective Functional Area Coordinator.
- Functional Area Coordinators shall ensure that job documentation and Briefing Checklists are forwarded to the OSC Coordinator for review upon completion.

EXHIBIT 4D

EMERGENCY TEAM BRIEFING/DEBRIEFING GUIDELINES
EMERGENCY TEAM DEBRIEFING

- OSC Functional Coordinators and/or Team Leaders shall debrief their respective teams using the In-plant Emergency Response Team Debriefing Form, Exhibit 4B.
- The Radiological Controls Coordinator shall ensure the review of exposures received by Emergency Response Team members to determine whether unanticipated high dose rates were encountered.
- The Radiological Controls Coordinator shall ensure the radiological exposure for each team member is entered in the appropriate records.
- Functional Area Coordinators shall ensure that job documentation, team reports, and debriefing checklists are forwarded to the OSC Coordinator as soon as possible for staff notifications of results, review and record retention.

EXHIBIT 5

EMERGENCY JOB PLANNING GUIDELINES

NOTE

This section provides guidance in job planning during declared emergencies. Documentation required by normal Station Procedures should be completed as TIME PERMITS but may be deferred until the emergency declaration is secured. Repair and maintenance shall have priority over paperwork requirements.

* Job planning and implementation during emergency conditions will be controlled by EPIP-OC-.27. However, NORMAL PLANT OPERATIONS AND MAINTENANCE PROCEDURES SHOULD NOT BE DEVIATED FROM UNLESS TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC OR TO PREVENT IMMINENT DAMAGE TO PLANT EQUIPMENT. The Emergency Maintenance Supervisor should identify procedures to be implemented during the work.

* Component switching and tagging should be controlled by Procedure 108 (Equipment Control). If appropriate to deviated from 108, ensure effective constraints are employed to protect personnel safety and equipment.

* Work that is to be performed or controlled by EPIP-OC-.27 shall only be activities that are necessary to place the plant in a safe condition or will result in the ultimate termination of the emergency condition should be performed using approved procedures.

* Work performed, materials installed, testing performed, and configuration changes made, are important information. This information should be documented on the debrief form (Exhibit 4b). After the emergency conditions are secured, a Job Order should be assigned to the debrief form, and the information entered into GMS2.

* If a job assignment/task cannot be completed as directed, immediately advise the OSC and receive additional instructions. Continue on with the task utilizing this additional information.

* If personnel radiation exposures in excess of 10 CFR 20 are anticipated, only volunteers shall be assigned as team members. Emergency Director authorization for exposure shall be documented per EPIP-OC-.35, "Radiological Controls Emergency Actions", Exhibit 7, Emergency Dose Authorization.

EXHIBIT 6A

EVACUATION OF OSC TO THE SOSC
OSC COORDINATOR CHECKLIST

CHECK		
_____	1.0	OSC evacuation ordered by the Emergency Director.
_____	2.0	Advise Functional Area Coordinators to enter SOSC area from doorway identified by the TSC Coordinator.
_____	3.0	Direct Functional Area Coordinators to use Exhibit 6B for evacuation of OSC.
_____	4.0	Logs, communication documents, needed supplies and equipment collected for evacuation.
_____	5.0	OSC evacuated to the SOSC, and communications re-established with the Control Room (ECC) through the TSC.
_____	6.0	All personnel/teams dispatched by the OSC have been notified to report to and return to the SOSC.

_____ _____
OSC Coordinator Date

EXHIBIT 6B

EVACUATION OF OSC TO THE SOSC
FUNCTIONAL AREA COORDINATORS CHECKLIST

CHECK		
_____	1.0	Advise the personnel in their respective areas that the OSC is being evacuated and the appropriate evacuation route as recommended by the RCC and prescribed by the OSC Coordinator.
_____	2.0	Ensure all assigned responders are advised of the evacuation and appropriate route to SOSC.
_____	3.0	Emergency Maintenance Coordinator to ensure personnel assigned to the Tool Room/Cal Lab are informed of the evacuation.
_____	4.0	Collect all documentation.
_____	5.0	Ensure OSC equipment identified by the OSC Coordinator is transferred to the SOSC.
_____	6.0	Advise all telephone contacts of impending evacuation and terminate telephone communications.
_____	7.0	Evacuate OSC utilizing route recommended by RCC and prescribed by the OSC Coordinator.

_____ _____
Functional Area Coordinator Date

EXHIBIT 7A

ACTIVATION OF SOSC
OSC COORDINATOR CHECKLIST

CHECK

_____ 1.0 Establish work area for SOSC as suggested in Exhibit 9, SOSC Floor Plan.

_____ 2.0 Functional Areas staffed:

_____ 2.1 Emergency Maintenance Coordinator

_____ 2.2 Rad Con Coordinator

_____ 2.3 OSC Operations Coordinator

_____ 2.4 Medical Representative

_____ 2.5 OSC Communications Coordinator

_____ 2.6 Chemistry Coordinator

_____ 3.0 Communications reestablished

_____ 3.1 OSC Coordinator Line

4.0 Report SOSC activated to Operations Coordinator and Emergency Director.

_____ 4.1 Announce to SOSC staff that center is activated.

_____ 4.2 Determine plant status and update center staff.

_____ 5.0 Ensure all personnel accounted for after relocation.

_____ _____
OSC Coordinator Date

EXHIBIT 7B

ACTIVATION OF SOSC
FUNCTIONAL AREA COORDINATORS CHECKLIST

CHECK

_____ 1.0 Establish work area for respective work support.

_____ 2.0 Assist other Functional Area Coordinators in arranging the SOSC (Exhibit 9).

_____ 3.0 Establish telephone communications for respective emergency line.

_____ 4.0 Notify the OSC Coordinator that you have assumed your duties in the SOSC.

_____ _____
Functional Area Coordinator Date

EXHIBIT 8

OSC FLOOR PLAN

TYPICAL ARRANGEMENT

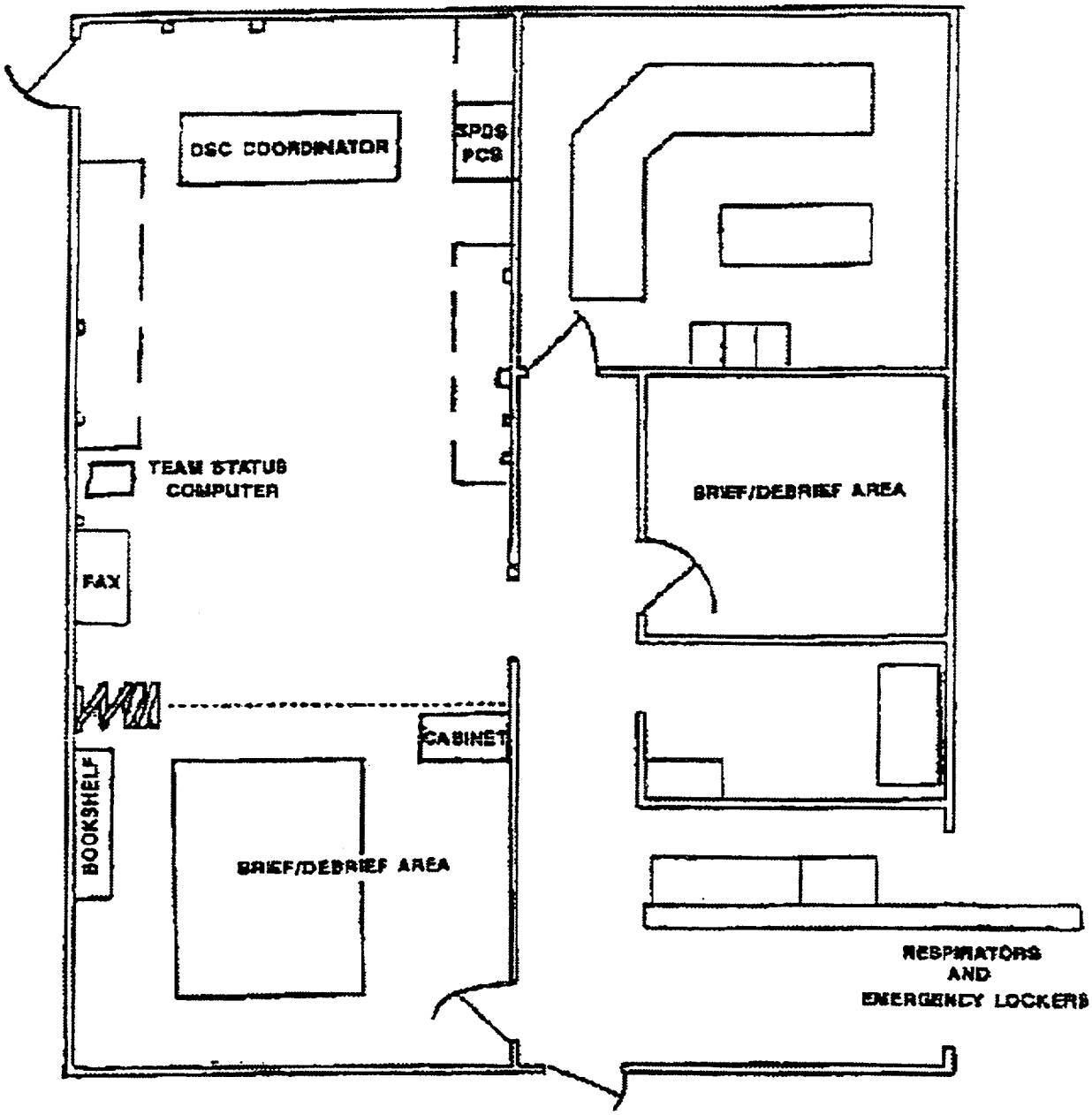
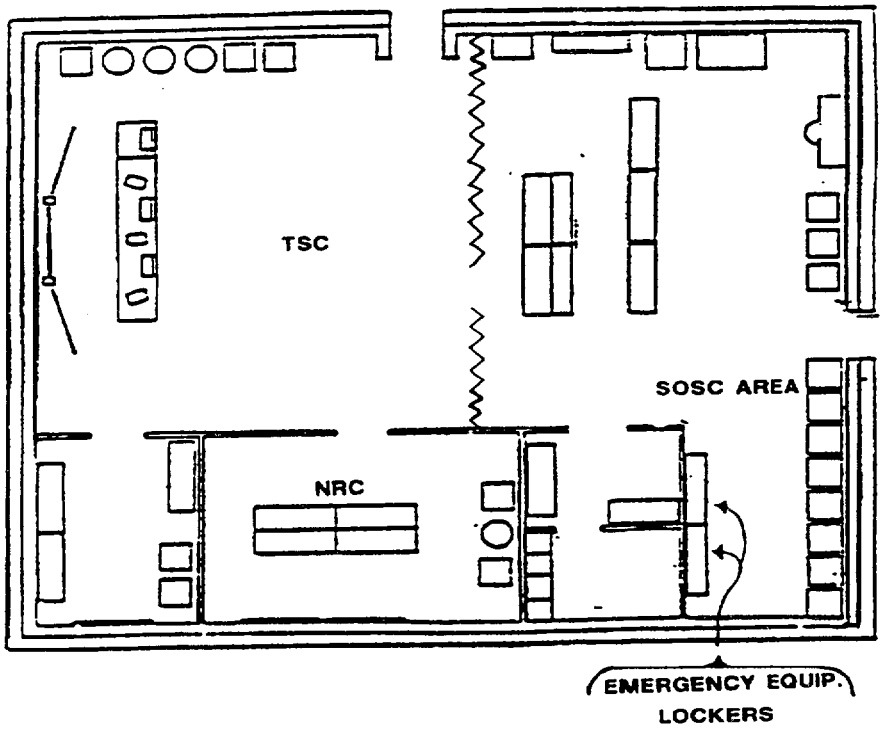


EXHIBIT 9

SOSC FLOOR PLAN
SITE EMERGENCY BUILDING
Secondary Operations Support Center Area

TYPICAL ARRANGEMENT



NOTE

Set up of SOSC will be accomplished by using available tables in that area. Set up should be to accommodate the communication lines As designated in the center.

EXHIBIT 10

OSC KITS AND LOCKER LOCATIONS

Emergency Chemistry Equipment

Location	Kit/Locker
OSC (Hallway)	Kits #5 and #6

Emergency First Aid and Rescue Equipment

New Radwaste Bldg. Control Room adjacent to door	stretcher
Reactor Building Elevation:	
23 ft. adjacent to Drywell entrance	stretcher
23 ft. adjacent to elevator	stretcher and extrication locker w/trauma kit (RB-EL23)
51 ft. adjacent to elevator	stretcher
73 ft. adjacent to elevator	stretcher
119 ft. adjacent to elevator	stretcher
119 ft. stairwell landing	extrication locker w/trauma kit (RB-EL119)
Turbine Building Elevation:	
0 ft. south, adjacent to Condenser Bay entrance	stretcher
0 ft. north, adjacent to Condenser Bay entrance	stretcher
23 ft. adjacent to elevator	stretcher
46 ft. adjacent to PC change area	stretcher and extrication locker w/trauma kit (TB-EL46)
Main Office Bldg., third floor adjacent to Rad Con monitor and control point	Stretcher

Emergency Rad Pro Equipment

OSC)Hallway)	Rad Pro Instrument and Safety Lockers

EXHIBIT 11

OSC COMMUNICATOR - TEAM STATUS TRACKING

1.0 Turn on the power to the large NEC monitor in corner.

2.0 Turn on power strip under the inside computer cabinet. The team tracking program will load and establish communications with the TSC.

3.0 Set time using "Set Time" stamp with PPM.

4.0 Select Lotus Notes Application.

5.0 When "work space" is available, select "Emergency Preparedness on Notes Server 3".

6.0 Select "OSC Communications Coordinator".

7.0 Select "OSC Team Tracking".

7.1 Screen will list teams dispatched.
7.2 Screen should be "Refreshed" by striking F9 key occasionally.

8.0 Assign the team priority (1-3) according to the following definitions:

Priority 1 - Absolute highest priority. Must be accomplished immediately. All available resources should be focused on priority 1 items.

Priority 2 - Standard priority. Item must be accomplished as soon as possible but can wait for priority 1 items.

Priority 3 - For low priority and long term items.

9.0 Enter the team description. Make the description as complete as possible, including member's names. When finished, the team will be transferred to the team listing portion of the screen.

10.0 Periodically print copy of teams.

EXHIBIT 12

OSC COMMUNICATIONS COORDINATOR RESPONSIBILITIES

INITIALS

_____ 1.0 Report to the OSC Coordinator.

_____ 2.0 Direct the efforts of the OSC Communicators.

_____ 3.0 Ensure all phone ringers are set below mid-volume to minimize noise level.

3.1 Verify phones and FAX machines are functional.

_____ 4.0 Indicate the development of a watch bill for your organization that will support the emergency on a 24 hour/day basis. (Refer to Exhibit 13)

_____ 5.0 Ensure all communications personnel use tag board.

6.0 Report failed communications system to the TSC Communications Coordinator.

NOTE

Provide specific information for each trouble report including: circuit, nature of problem, location of phone, etc.

7.0 Call out additional personnel if required.

NOTE

For call out of Duty Roster positions contact Security Shift Commander. For additional staff contact Group Leader Admin Support. If he is not available, use normal department call-out methods.

EXHIBIT 12
(continued)

OSC COMMUNICATIONS COORDINATOR RESPONSIBILITIES

INITIALS

_____ 8.0 Instructions for use of Team Status Tracking System are found in Exhibit 11. Maintain team status board.

NOTE
If the system fails, continue to track teams manually on the Team Status Sheets and forward the information to the ECC and TSC via fax about every fifteen (15) minutes.

NOTE
Radwaste Operators will be tracked as a team at the "ALERT" level and above if applicable. Briefings and debriefings will be done via telephone or radio.

9.0 Plant parameters are displayed via Plant Computer System (PCS) in the TSC, OSC, and EOF.

NOTE
If this system fails ensure that the TSC transmits critical plant parameters to the OSC approximately every fifteen (15) minutes or as conditions change. Manually transmitted plant parameters should be displayed on an overhead projector in the OSC or posted in an area where they are available to the OSC Coordinator.

_____ 10.0 Upon termination of the emergency, ensure communications equipment, supplies and procedures are replaced or returned to a ready status.

_____ 11.0 Then forward to the OSC Coordinator, all logs and records.

Signature_____ Date_____
OSC Communication Coord.

EXHIBIT 13

EMERGENCY SHIFT SCHEDULE
TYPICAL

DATE:
Functional Group:
GROUP (eg. Admin.):

TIME:	SHIFT 1	SHIFT 2	SHIFT 3
BEGIN			
END			

		NAME	NAME	NAME
POSITION #				
PHONE	HOME #			
	WORK #			
	BEEPER #			
POSITION #				
PHONE	HOME #			
	WORK #			
	BEEPER #			
POSITION #				
PHONE	HOME #			
	WORK #			
	BEEPER #			
POSITION #				
PHONE	HOME #			
	WORK #			
	BEEPER #			

EXHIBIT 14

HIFAX LOG

TYPICAL

MESSAGE	TIME	SEND INITIAL	TSC	OSC	EOF	ECC	COMMENTS
			TSC	OSC	EOF	ECC	COMMENTS

EXHIBIT 15

TYPICAL

Number_____

Emergency Message

To: ☐OSC ☐TSC ☐EACC ☐ECC ☐EOF _____ Staff Position/Other

Message:

Originator:_____ _____ _____ _____
Staff Position Initials Time Date

Location: ☐ECC ☐TSC ☐OSC ☐EOF

Reply:

Reply Completed by: :_____ _____ _____ _____
Staff Position Initials Time Date

EXHIBIT 16

TYPICAL

OYSTER CREEK GENERATING STATION
EMERGENCY COMMUNICATIONS

Communicator Log

Location: _____ Date: _____

DLV Number: _____ Dial Code: _____

Time	Remarks

AmerGen An Exelon/British Energy Company	OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE	Number EPIP-OC-.10

Title **Emergency Radiological Surveys Onsite**		Revision No. 13
Applicability/Scope Applies to work at Oyster Creek	Usage Level 2	Responsible Department Emergency Preparedness
This document is within QA plan scope _X_ Yes ___ No 50.59 Reviews Required ___ Yes _X_ No		Effective Date 4-19-02

Prior Revision __12__ incorporated the following Temporary Changes:

N/A

This Revision __13__ incorporates the following Temporary Changes:

N/A

List of Pages (all pgs. rev'd to Rev. 13)

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E9-1
E10-1
E11-1
E12-1
E13-1

	Signature	Concurring Organization Element	Date
Originator	James C Bondeson	Emergency Planner	04/09/2002
Approved By	R Mark Moore	Radiation Protection Manager	4/13/02

PROCEDURE HISTORY

REV	DATE	ORIGINATOR	SUMMARY OF CHANGE
3	12/94	A. Smith	Add Document History page and correct numbering on Exhibits 18 through 23.
4	09/95	J. Bontempo	Use cellular phones as primary communications for FMT's.
5	01/96	J. Bontempo	Correct references to Exhibits 8 through 21 (previously 9 through 22).
6	03/97	A. Smith	Allow RAC to perform the RCC duties, update survey maps, delete Exhibit 13, recovery of radio communications due to cell phones being primary mode of comm.
D	06/97	J.W. Rayment	Draft - when ready to be rev'd don't forget to put In your summary of change.
7	09/98	J.W. Rayment	•Add initial spaces to section 4.2, delete initial spaces from exhibits 1, 2, & 4. •Allow use of normal Rad Con procedures for surveys. •Change exhibits to reflect normal procedures. •Delete exhibits that do not reflect normal procedures. •Change 1/4 mile offsite map to be more accurate. •Change air sampling default to 1 minute samples. •Change air sampler to Lo volume instead of Hi volume.
8	10/99	A. Smith	Update phone numbers for field teams. Remove reference to EPIP-OC-.04, this procedure was deleted.
9	12/99	G. Seals	Procedure does not comply with minimum detectable activity requirements of NUREG 0654.
10	DOS	A. Smith	Change reference from GPU or GPUN to OCNGS
11	06/01	R. Finicle	Changed Safety Review Required from "yes" to "no" on the cover page. Changed the title "GRCS" to "on-shift Radiological Assessment Coordinator. Update DC Air Sample info. Update vehicle usage.
12	11/01	A. Smith	Remove reference to EPIP-OC-.04.
13	03/02	J. Bontempo	Clarify flowrate criteria for air samples Pg. E3-1

1.0 PURPOSE

1.1 This procedure describes the responsibilities and duties of personnel involved in the conduct of Onsite Radiological/Environmental Monitoring.

2.0 APPLICABILITY/SCOPE

2.1 This procedure applies to all emergency response personnel involved in Onsite Radiological/Environmental Monitoring Team activities.

2.2 This procedure is to be initiated upon any of the following conditions:

2.2.1 Alert, Site Area Emergency or General Emergency as determined by Procedure EPIP-OC-.01, Classification of Emergency Conditions.

2.2.2 Upon direction of the Emergency Director.

3.0 DEFINITIONS

3.1 None

4.0 RESPONSIBILITIES

4.1 Onsite RAC

4.1.1 The RAC may perform the responsibilities of the RCC. If that occurs, FMT activities will be reported to the RAC directly until there are personnel resources available to station the RCC function separately. When the resources are available, the RAC may transfer onsite FMT activities to the RCC.

4.2 Onsite Radiological/Environmental Survey Teams

4.2.1 The Onsite Radiological/Environmental Survey Team communicates directly to the RAC/RCC and is responsible for conducting emergency radiological monitoring within the Protected Area and up to 1/4 mile perimeter from the site boundary (Exhibit 12, 1/4 mile Offsite Map).

NOTE

The Onsite Radiological/Environmental Survey Team may be directed beyond the 1/4 mile perimeter to perform offsite radiological monitoring until the Offsite Radiological/Environmental Survey Teams are fully manned and ready to be deployed.

NOTE

Offsite monitoring points are found in Exhibit 12 of Procedure EPIP-OC-.11, Offsite Radiological Environmental Surveys.

INITIALS

4.2.2 Team members shall assemble and complete actions identified in Exhibit 1, "Team Assembly and Formation".

4.2.3 Team members shall obtain monitoring instruments and equipment utilizing Exhibit 2, "Monitoring Instruments and Equipment".

4.2.4 Team members shall conduct air sampler pre-operational checks in accordance with Reference 6.8. Also, utilizing Exhibit 3, "Emergency Air Sampling".

4.2.5 Team members shall prepare the vehicle by completing action identified in Exhibit 4, "Vehicle Preparation".

4.2.6 Team members shall utilize survey instruments during cold weather by completing actions identified in Exhibit 5, "Cold Weather Instrument Operations".

INITIALS

4.2.7 Team members shall conduct onsite surveys utilizing Exhibit 6, "Conducting on Site Surveys" when so directed. (Refer to Exhibit 10 and Exhibit 13).

4.2.8 Team members shall terminate monitoring activities by completing actions identified in Exhibit 7, "Termination of Monitoring Activities".

4.3 If the onsite team is dispatched offsite beyond the 1/4 mile radius, the team shall suspend use of this procedure and implement the appropriate sections of EPIP-OC-.11 for conducting surveys and collection of air samples.

5.0 PROCEDURE

5.1 Onsite Radiological/Environmental Survey Team(s) members shall implement this procedure during an emergency.

6.0 REFERENCES

6.1 2000-PLN-1300.01, OCNGS Emergency Plan.

6.2 OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance.

6.3 EPIP-OC-.01, Classification of Emergency Conditions.

6.4 Memorandum 9502-88-0098, Field Measurement of Airborne Releases of Radioactive Material, G.M. Lodde, May 25, 1988.

6.5 Radiological/Industrial Safety and Health Awareness Report, 89-027, 9-25-89.

6.6 6630-ADM-4200.01, Radiological Surveys.

6.7 6630-ADM-4212.01, Air Sample Collection and Analysis.

7.0 EXHIBITS

7.1 Exhibit 1, Team Assembly and Formation

7.2 Exhibit 2, Monitoring Instruments and Equipment

7.3 Exhibit 3, Emergency Air Sampling

7.4 Exhibit 4, Vehicle Preparation

7.5 Exhibit 5, Cold Weather Instrument Operations

7.6 Exhibit 6, Conducting On-Site Surveys

7.7 Exhibit 7, Termination of Monitoring Activities

7.8 Exhibit 8, Onsite Emergency Monitoring Points

7.9 Exhibit 9, Onsite Monitoring Point Map

7.10 Exhibit 10, Sample Record

7.11 Exhibit 11, Air Activity (Iodine) Nomogram

7.12 Exhibit 12, Approx. 1/4 Mile Offsite Map

7.13 Exhibit 13, Survey Form

EXHIBIT 1

TEAM ASSEMBLY AND FORMATION

1.0 The Onsite Radiological/Environmental Survey Team will consist of two (2) team members. At least one member shall be a Radiological Controls Technician who shall be designated Team Leader.

2.0 The Onsite Radiological/Environmental Survey Team shall mobilize, and report as directed by the RAC/RCC.

3.0 Obtain the emergency monitoring vehicle key. If the key is not available, a backup key may be obtained from the guard at the Main Gate Processing Center.

3.1 Obtain cellular phone from On-Shift Radiological Assessment Coordinator lock box as primary mode of communications.

3.2 Obtain a portable radio for back up communications (Channel 1 would be used).

3.3 Team members shall conduct cell phone communications (primary) or radio communications (secondary) observing appropriate Radio Communications Protocol.

TEAM MEMBERS

NAME		SSN	AVAILABLE DOSE
_____	(Team Leader)	_____	_____
_____		_____	_____
_____		_____	_____

EXHIBIT 1
(continued)

TEAM ASSEMBLY AND FORMATION

NOTE

When operating the phone while in vehicle pedestal the vehicle must be on or the key in the accessory mode in order for the phone to be unlocked, then speed dial can be accomplished. When phone is hand held it operates normally.

3.3 The following is a list of locations, speed dial codes and actual phone numbers used by field teams and their respective contact.

LOCATION	SPEED DIAL	PHONE #
RAC/ECC	01	609-971-0335
RAC/TSC	02	609-971-4156
EAC/EACC	03	732-367-8805
	*	732-370-8990
FMT "A"	04	609-457-3560
FMT "B"	05	609-457-3441
FMT "C"	06	609-457-1525
ONSITE FMT	07	609-457-3592
RCC/OSC	08	609-971-4880
EMERG.	09	911
ECC	10	609-971-4666

*732-370-8990 Dial Manually

4.0 If the vehicle is not available, contact Security to obtain keys for any on-site vehicle and proceed with FMT response.

5.0 If a vehicle cannot be located or returned immediately, inform the RCC/RAC and request further guidance.

EXHIBIT 2

MONITORING INSTRUMENTS AND EQUIPMENT

1.0 The onsite Radiological Survey Team shall ensure the following instruments are available in the onsite van or obtain them, From: (ie. Rad Con Count Room, Radiac Trailer, the OSC monitoring instrument locker), and perform the pre-operational checks as required.

NOTE
OP CS-137 check source is in emergency locker for use if Pre Op checks have not been done already.

1.1 One (1) doserate survey instrument with capability of measuring 0.2 mR/hr and greater and capable of determining Beta readings.

1.2 One (1) countrate survey instrument with a pancake style probe.

1.3 One (1) air sampler (Lo Vol RAS Pump)

1.4 One (1) DC air sampler

EXHIBIT 3

EMERGENCY AIR SAMPLING

NOTE 1

Silver zeolite cartridges to be used for all samples.

NOTE 2

Flow rate on all samples to be 20-30 lpm.

NOTE 3

Verify operation of power inverter in van prior to use.

Initials

1.0 DC Air Sampler Use

_____ 1.1 Ensure the 2 position switch (off-run) is in the OFF position.

1.2 Connect the air sampler directly to the vehicle's battery terminals via connection on bumper or grille.

1.4 Turn ON A/S and adjust flow as needed.

_____ 1.5 Turn OFF A/S and disconnect from the vehicle.

EXHIBIT 4

VEHICLE PREPARATION

1.0 Verify emergency equipment lockers/kits are locked or sealed.

2.0 If the emergency locks are not locked or sealed, conduct an inventory using inventory checklist from Procedure OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance. (Appendix B-2).

3.0 Perform radio check with RAC/RCC.

4.0 Log any deficiencies and report information to RAC/RCC.

NOTE

Team members shall log into Rem-On-Line System or initiate a control point admission ticket. (An ESRD or a 0-200 mR and a 0-1500 mR SRD required.)

EXHIBIT 5

COLD WEATHER INSTRUMENT OPERATIONS

1.0 Caution must be observed to ensure instrument operation is not affected by extreme cold temperatures.

2.0 If ambient temperature is above 32°F (0°C), instrument use is unlimited.

3.0 If ambient temperature is below 32°F (0°C), continuous instrument use should be limited as follows:

Temperature	Continuous Operating Time
0 - 32°F [(-18°C) - (0°C)]	5 minutes
-20° - 0°F [(-28°C) - (-18°C)]	2 minutes

4.0 For operation in temperatures below 32°F (0°C), a battery check should be performed before and after each measurement.

4.1 If the battery check fails in either case, the measurement is not valid.

4.2 Return the instrument to the vehicle and allow the batteries to warm up.

4.3 Repeat the measurement as required.

EXHIBIT 6

CONDUCTING ON-SITE SURVEYS

1.0 If the On-Site Team is dispatched Off-Site beyond the 1/4 mile radius, suspend use of this procedure and implement appropriate sections of EPIP-OC-.11 for surveys.

2.0 The intent is to keep the vehicle within the Protected Area whenever possible. Monitoring Points ESE, SE, and SSE are outside the Protected Area. Due to the time required to enter and exit the Protected Area, verify with the OSC that those monitoring points are required.

3.0 Exhibit 8, "Onsite Emergency Monitoring Points" (describes the onsite locations).

4.0 Exhibit 9, "Onsite Monitoring Point Map" (identifies these locations).

5.0 Perform and document onsite surveys in accordance with established Rad Con procedures. (Exhibit 13: Survey Form - Example - Equivalent Form may be used).

5.1 A baseline perimeter survey should be performed when team is dispatched.

5.2 Perform surveys at the discretion of the RAC/RCC.

5.3 Identify on Survey Form whether survey location may be within the plume or not.

5.3.1 If open window reading is >110% of closed window reading, uncorrected, survey location may be within the plume.

5.4 Label all samples, (smears, air samples, water samples, etc.), with appropriate information (time, location, etc.).

EXHIBIT 6
(continued)

CONDUCTING ON-SITE SURVEYS

5.5 Refer to Exhibit 11, "Air Activity (Iodine) Nomogram", for field counting iodine air samples to estimate air iodine activity.

5.6 Document Survey on Exhibit 13 or Equivalent Form; any water, soil, or air samples to be documented on Exhibit 10 - sample record.

5.7 Communicate all survey results to the RCC/RAC as soon as practical.

NOTE 1

Draw a 5 minute minimum air sample at 25 LPM. (20-30 LPM) as indicated on the scale if possible using a watch, stopwatch or time to measure the time duration unless otherwise directed by the RAC/EAC. Sample time based on Rad. Eng. Calc. 2820-01-004.

NOTE 2

In the event that the E-van or a team member becomes contaminated, notify the RCC/RAC for a replacement or directions.

EXHIBIT 7

TERMINATION OF MONITORING ACTIVITIES

INITIALS

1.0 Upon direction of the RAC/RCC to cease monitoring activities.

_____ 1.1 Transport field monitoring samples to the Rad Con Counting Room or as directed by the RAC/RCC.

_____ 1.2 Log off the Rem-On-Line system as appropriate.

_____ 1.3 Inventory and return to storage all the emergency monitoring equipment in accordance with Appendix B of OEP-ADM-1319.02, "Emergency Response Facilities and Equipment Maintenance".

_____ 1.4 Return vehicle and keys to assigned location.

_____ 1.5 Submit team logs and data forms to RAC/RCC for his review and subsequent filing with the Document Control Center.

EXHIBIT 8

ONSITE EMERGENCY MONITORING POINTS

Sector	Location	Description
1	N	RCA perimeter road - west of Gate 8
2	NNE	RCA perimeter road - south side of Materials Warehouse
3	NE	RCA perimeter road - east side, halfway between Gate 20 and Materials Warehouse
4	ENE	RCA perimeter road - east side at Gate 20
5	E	RCA perimeter road - south east corner at AOG Building
6	ESE	Main site access road - directly south of AOG Building
7	SE	Main parking lot - first row directly south of Fuel Oil Storage Tank
8	SSE	Main parking log driveway at Main Gate 1
9	S	Auxiliary Office Building eastside adjacent to door
10	SSW	Auxiliary Office Building - westside adjacent to door
11	SW	Diesel Generator Building - eastside adjacent to door
12	WSW	Access road - westside Protected Area, west of transformers
13	W	Access road - westside Protected Area, west of demineralizer water storage tank
14	WNW	Access road - northwest corner, west of Torus Water Storage Tank
15	NW	Access road - adjacent to Gate 10A
16	NNW	Access road - halfway between North Guard House and Materials Warehouse, south of LLRW west corner

EXHIBIT 10
Sample Record

Procedure EPIP-OC-10
Rev. 12

DATE:_____

#	TIME	LOCATION	SURVEY		AIR SAMPLE				
			WINDOW CLOSED mr/hr	WINDOW OPEN mr/hr	BKG cpm	PART cpm	SILVER ZEOLITE cpm	FLOW RATE LPM	RUN TIME Min
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

AIR SAMPLER TYPE_____ SERIAL NO._____ CAL. DUE_____

COUNTING INST. TYPE_____ SERIAL NO._____ CAL. DUE_____

SIGNED_____
TEAM LEADER

E10-1

EXHIBIT 11

AIR ACTIVITY (IODINE)

5.5 A rough idea of the approximate iodine concentration and DAC value can be obtained from the table below:

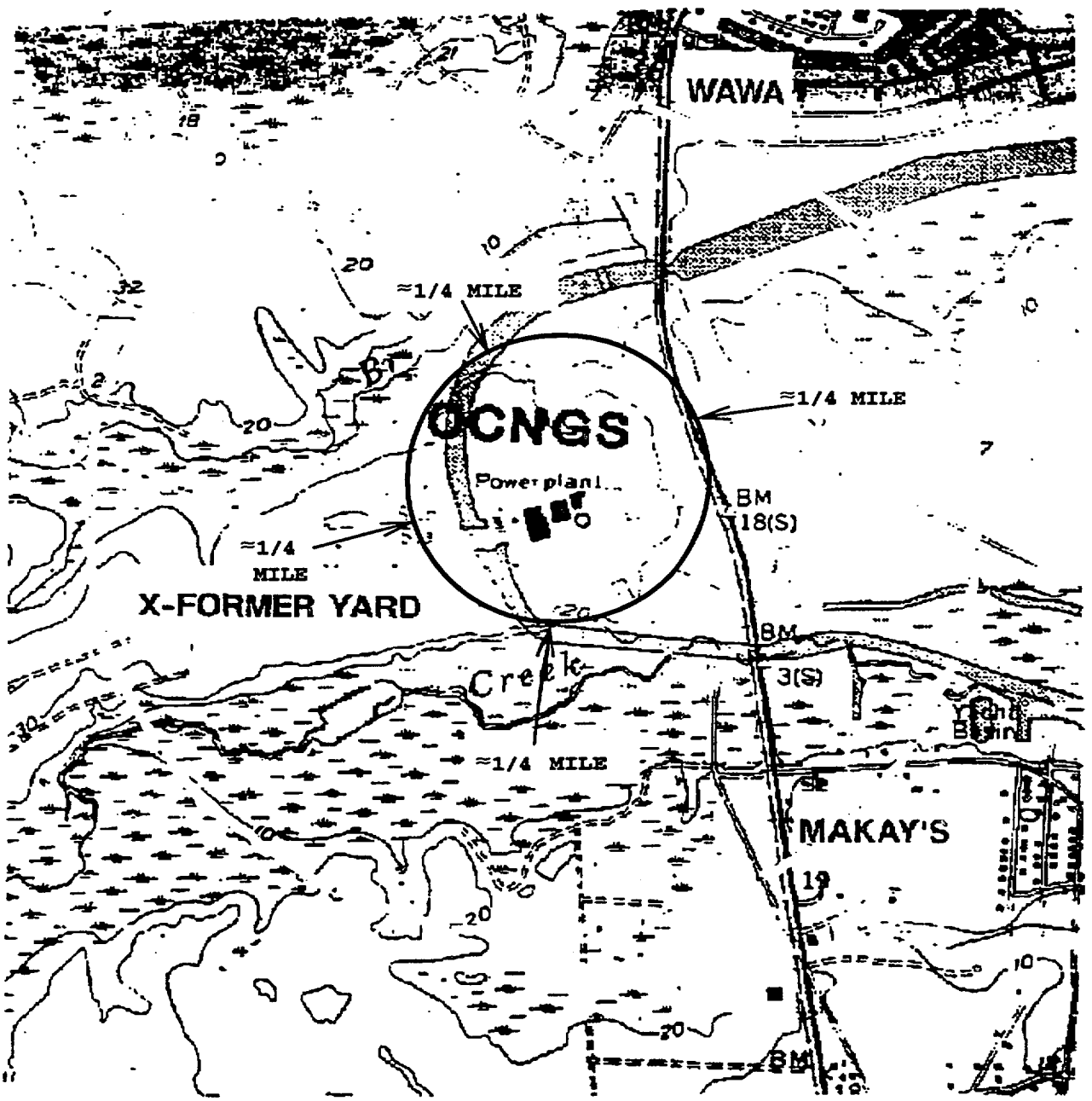
NET CPM	IODINE CONC (uCi/cc)	# of DAC's
100	9E-8	4.5
500	5E-7	25
1000	9E-7	45
5000	5E-6	250
10000	9E-6	450
50000	5E-5	2500

NOTE

This table is based on 5 minute sample times @ 25 LPM. Divide concentration and # of DAC's for all other sample times. The table is intended to give field teams a rough idea of what they are encountering. This data should not be used to make dose projections for the general public.

EXHIBIT 12

APPROX. 1/4 MILE OFFSITE MAP



AmerGen

Telephone No. 609-971-4652 RM Dept.

DOCUMENT TRANSMITTAL

July 2, 2002

To:
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FOR NRC-WASHINGTON, DC
C/O BARBARA JOHANSEN, OCAB-2

PLEASE NOTE: IT IS IMPERATIVE THAT YOU NOTIFY RM OF ADDRESS CHANGES!!

FILE INSTRUCTIONS:	DESTROY OUTDATED:
EPIP-OC-.41 ENTIRE REV. 8	EPIP-OC-.41 ENTIRE REV. 7

FAILURE TO COMPLY WITH REQUIRED ACTION, WITHIN FIVE (5) WORKING DAYS OF THIS REQUEST, COULD RESULT IN A CAP.

REQUIRED ACTION:
1. ADD REVISION TO YOUR CONTROLLED COPIES.
2. DESTROY OUTDATED MATERIAL.
3. RETURN TRANSMITTAL SIGNED AND DATED.

SIGN AND RETURN TO: RECORDS MANAGEMENT, OCAB-1

NAME: _____ DATE: _____

YOUR SIGNATURE ON THIS FORM INDICATES THAT YOU HAVE FILED THE CURRENT REVISION. THIS SIGNED FORM CAN BE USED FOR AUDITING PURPOSES.

AmerGen An Exelon/British Energy Company	OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE	Number EPIP-OC-.41
Title EMERGENCY DUTY ROSTER ACTIVATION		Revision No. 8
Applicability/Scope Applies to work at Oyster Creek	Usage Level 1	Responsible Department Emergency Preparedness
		Effective Date 7/2/02

Prior Revision 7 incorporated the following Temporary Changes:

N/A

This Revision 8 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 7)

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E3-1
E4-1
E5-1

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Be Kept Up To Date
DCC Oyster Creek

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	6-28-02
Approved By		for Radiation Protection Manager	7-1-02

DOCUMENT HISTORY

REV	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
2	05/94	Expand instructions for operating autodialer.	
3	05/96	Remove instructions for activating teleclerk which will be provided by memo to appropriate organizations.	D. VanNortwick
4	06/97	Include Teleclerk activation utilizing Security memo # 016-97. Include new activation code number messages.	D. VanNortwick
5	DOS	Required due to sale of Oyster Creek.	A. Smith
6	10/01	Add Usage Level; correct pager stand down code. Add note to enable pager code 999999 to be used to staff ERO at a credible security threat.	A. Smith
7		Add New Autodialer instructions to procedure	D. Larsen
8		Add telephone numbers for Manual Pager Activation	D. Larsen

1.0 PURPOSE

1.1 This procedure provides instructions for security actions for the notification of Emergency Duty Roster personnel and for the activation of Emergency Response Facilities.

2.0 APPLICABILITY/SCOPE

2.1 This procedure applies to Oyster Creek Security for use in declared or simulated emergencies.

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

4.1 The Security Shift Commander is responsible to implement Exhibit 1, 2, 3, 4, or 5 as appropriate.

5.0 PROCEDURE

5.1 When the Security Shift Commander is notified of the declaration of an emergency, he shall complete Exhibit 1, 2, 3, or 5 as appropriate.

6.0 REFERENCES

6.1 Oyster Creek Emergency Plan 2000-PLN-1300-01

7.0 EXHIBITS

7.1 Exhibit 1, "Security Shift Commander Checklist for call-out system activation using the EP Pager Call-Out Telephone".

Exhibit 2, "Security Shift Commander Checklist for manual activation of the call-out system"

Exhibit 3, "Security Shift Commander checklist for activation of the Back-Up Callout System"

Exhibit 4, "Canceling an Activation".

Exhibit 5, "Manual Activation of EP Group Page".

EXHIBIT 1

SECURITY SHIFT SUPERVISOR CHECKLIST FOR CALL-OUT SYSTEM ACTIVATION USING THE EP PAGER CALL-OUT TELEPHONE

This Exhibit outlines the steps necessary for staff augmentation under the Emergency Plan

1. ACTIVATION USING THE EP PAGER CALL-OUT TELEPHONE

1.1 **ACTIVATE** the call-out system by performing the following steps.

Lift the "EP Pager Call-Out Phone" receiver or press speaker button.

1.1.1 Activate the appropriate call-out system scenario by pressing the appropriate button on the "EP Pager Call-Out Telephone" key pad:

O UNUSUAL EVENT		O ALERT or HIGHER	O STAND-DOWN
O ALL-HAZARDS		O CANCEL	O
O		O	O
O DRILL		O COMM. TEST	O TRAINING
O		O	O
O Program	O Pause	O WEEKLY TEST	O Lower

1.2 RECORD the time and date of the call-out system activation.

Time Contacted	Date	Initials
_____	_____	_____

An activation confirmation call: (as indicated below) will be placed to the SAS by the call-out system after the activation has been successfully initiated.

MESSAGE: "This is the AmerGen-Exelon ERO Notification System. If you are an AmerGen-Exelon employee, press 9. If not, press 6". **[User presses 9 for YES]** "Scenario ###: ACTUAL EVENT - **SCENARIO NAME** has been initiated for the Oyster Creek Generating Station. If you would like to repeat the message, press 9. If not, press 6".

NOTE:

IN THE EVENT THE AUTOMATED CALL-OUT SYSTEM DOES NOT ACTIVATE UTILIZING THE "EP PAGER CALL-OUT TELPHONE", UTILIZE EXHIBIT 2 TO MANUALLY ACTIVATE THE CALL-OUT SYSTEM. IF THE CALL OUT SYSTEM DOES NOT ACTIVATE, UTILIZE EXHIBIT 3 TO ACTIVATE THE BACK-UP CALLOUT SYSTEM IF THE BACK-UP CALL-OUT SYSTEM DOES NOT ACTIVATE, UTILIZE EXHIBIT 5 TO PERFORM A MANUAL ACTIVATION OF THE EP GROUP PAGERS.

EXHIBIT 2

SECURITY SHIFT COMMANDER CHECKLIST FOR MANUAL ACTIVATION OF THE CALL OUT SYSTEM

1. The Automated Call-out System **DID NOT** activate after utilizing the designated buttons on the EP Pager Call-Out Phone as specified in step 1.1 of Exhibit 1. If the system **DID NOT** generate an activation confirmation call to the SAS, perform a manual activation of the automated call-out system as follows:

   1.1 Utilizing any functional touch-tone telephone, manually dial the automated call out system activation number (**866-737-4954**).

   1.1.1 After hearing the voice prompt: *"This is the remote activation module. Please enter your scenario activation password followed by the pound (#) sign"*, **THEN** promptly proceed as follows:

   ENTER as applicable from the table below, followed by the # Sign.

Scenario Password ID	Scenario Description	Facility Activation/Comments
301#	**ACTUAL EVENT**: Unusual Event Notification	**NO**, ERO notification purposes only
302#	ACTUAL EVENT: Alert or higher	**YES**, TSC, OSC, EOF & JIC activated
303#	ACTUAL EVENT: ERO Stand-down	**NO**, Unusual Event termination
304#	ALL HAZARDS: Staff Augmentation	**YES**, Facility staffing in support of a non-E-Plan event or Unusual Event Based on a credible security threat.
305#	DRILL	**YES**, only team scheduled for Drill
306#	COMMUNICATIONS TEST	**NO**, Call in for ERO
310#	TRAINING	NO, Security only
311#	WEEKLY TEST	**NO**, Provides ERO with Duty Change & Pager Test.

   1.1.2 The System will then state, "To start a scenario, enter the scenario ID again, followed by the # sign or press # alone for more options".
   RE-ENTER same number from Step 1.1.1, followed by the # sign.

   1.1.3 The SYSTEM will state: "To **Start** the Scenario press 3. To return to the main menu, press #."
   PRESS 3 to activate scenario.

   1.1.4 The SYSTEM will state, "The scenario is building."
   Press #, TO END THE CALL.

   1.2 **RECORD** the time and date of the call-out system activation..

Time Contacted	**Date**	**Initials**
_____	_____	_____

An activation confirmation call: (as indicated below) will be placed to the SAS by the call-out system after the activation has been successfully initiated.

MESSAGE: "This is the AmerGen-Exelon ERO Notification System. If you are an AmerGen-Exelon employee, press 9. If not, press 6". **[User presses 9 for YES]** "Scenario ###: ACTUAL EVENT - **SCENARIO NAME** has been initiated for the Oyster Creek Generating Station. If you would like to repeat the message, press 9. If not, press 6".

EXHIBIT 3

ACTIVATION OF THE BACK-UP CALL-OUT SYSTEM

This exhibit outlines the steps for staff augmentation under the Emergency Plan using the back-up system.

1. OFF-SITE REDUNDANT BACK-UP SYSTEM INFORMATION

1.1 Dial the Off-Site Redundant Back-Up Telephone **#(866) 521-7099**
Enter Company ID Number **17412** followed by the "#" (pound) sign.

1.1.1 The system will answer, "This is the remote activation module. Please enter your scenario activation password followed by the # Sign."

ENTER as applicable from the table below, followed by the # Sign.

Scenario Password ID	Scenario Description	Facility Activation/Comments
301#	**ACTUAL EVENT**: Unusual Event Notification	**NO**, ERO notification purposes only
302#	ACTUAL EVENT: Alert or higher	**YES**, TSC, OSC, EOF & JIC activated
303#	ACTUAL EVENT: ERO Stand-down	**NO**, Unusual Event termination
304#	ALL HAZARDS: Staff Augmentation	**YES**, Facility staffing in support of a non-E-Plan event or Unusual Event Based on a credible security threat.
305#	DRILL	**YES**, only team scheduled for Drill
306#	COMMUNICATIONS TEST	**NO**, Call in for ERO
310#	TRAINING	NO, Security only
311#	WEEKLY TEST	**NO**, Provides ERO with Duty Change & Pager Test.

1.1.2 The System will then state: "To start a scenario, enter the scenario ID again, followed by the # sign or press # alone for more options".
RE-ENTER same number from Step 1.1.1, followed by the # sign.

1.1.3 The SYSTEM will state: To **Start** the Scenario, PRESS 3. To return to the main menu, press #."
PRESS 3 to start the scenario.

1.1.4 The SYSTEM will then state, "The scenario is building."
Press # TO END THE CALL.

1.1.5 **RECORD** the time and date of the call-out system activation.

Time Contacted	**Date**	**Initials**
_____	_____	_____

An activation confirmation call: (as indicated below) will be placed to the SAS by the call-out system after the activation has been successfully initiated.

MESSAGE: This is the AmerGen-Exelon ERO Notification System. If you are an AmerGen=Exelon employee, press 9. If not, press 6". [User presses 9 for YES] "Scenario ###: ACTUAL EVENT - SCENARIO NAME has been initiated for the Oyster Creek Generating Station. If you would like to repeat the message, press 9. If not, press 6"

EXHIBIT 4

CANCELING AN ACTIVATION

1.1 **CANCEL** a scenario once activated, **PERFORM** Steps 1.1.1, 1.1.2 and 1.1.3 from Exhibit 2, entering the ID number for the scenario running.

1.1.1 The SYSTEM will state "That scenario is currently active. Would you like to stop the scenario? Press 9 (y) for Yes, 6 (n) for No."

PRESS 9 for Yes.

1.1.2 The SYSTEM will then state "The scenario will be stopped," and return you to the Main Menu.

NOTE: A Response Status Report will be faxed every 15 minutes to the TSC, EOF, and EP Fax machines, and upon completion to the TSC, EOF and EP Fax machines.

2.1 IF NO Response Status Report or confirmation call have been received within 15 minutes of System activation, THEN assume that the pagers were NOT activated and **PERFORM** the Steps in Exhibit 4.

NOTE: ERO personnel paged, with actual event code, will respond by default if after at least two attempts they are unable to call into System.

EXHIBIT 5

MANUAL ACTIVATION OF EP GROUP PAGE

1.0 In the event that the automated call-out system and the off-site redundant back-up system fail to activate, the following pager activation shall be conducted.

1.1 Utilize one (1) of the following telephone numbers:

	Company	Number	PIN Number/Password
A)	MCI	800/822-5742	26300
B)	AT&T	800/672-2285	6300
C)	Verizon	215/639-2047	6300

1.2 Enter appropriate notification code:

555555# **DRILL**

777777# **UNUSUAL EVENT**

888888# **STAND DOWN OF UNUSUAL EVENT**

999999# **ALERT OR HIGHER (ALSO SECURITY RELATED-UNUSUAL EVENT)**