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10 CFR 50 App. E

September 17, 2002  
2130-02-20262

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:

<u>Procedure Number</u>	<u>Title</u>	<u>Revision</u>
EPIP-OC- .02	The Operations Support Center	31
EPIP-OC- .06	Emergency Radiological Surveys Offsite	27
EPIP-OC-.31	Environmental Assessment Command Center	12
OEP-ADM-1319.01	Emergency Preparedness Program	12
OEP-ADM-1319.04	Prompt Notification System	5

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**

<b><u>PROCEDURE NO.</u></b>	<b><u>TITLE</u></b>	<b><u>REV.</u></b>	<b><u>DATE</u></b>
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	31	09/10/02
EPIP-OC-.03	Emergency Notification	29	11/07/01
EPIP-OC-.06	Additional Assistance and Notification	27	09/10/02
EPIP-OC-.10	Emergency Radiological Surveys Onsite	14	08/05/02
EPIP-OC-.11	Emergency Radiological Surveys Offsite	18	07/25/02
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	12	09/16/02
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	12	09/10/02
OEP-ADM-1319.02	Emergency Response Facilities & Equipment Maintenance	12	06/13/02
OEP-ADM-1319.04	Prompt Notification System	5	09/16/02
OEP-ADM-1319.05	Emergency Preparedness Event Reports	2	07/02/01

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09/17/2002  
09/17/2002

File Index Number: 20.16.01.01  
Cross Reference Number: 20.16.01.01

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**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number

EPIP-OC-.02

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

Applicability/Scope

Applies to work at Oyster Creek Division  
& Support Divisions

Usage Level

**1**

Responsible Department

Emergency Prep

Effective Date

9/10/02

Prior Revision 30 incorporated the  
following Temporary Changes:N/AThis Revision 31 incorporates the  
following Temporary Changes:N/AList of Pages (All pages rev'd to Rev. 31)1.0 to 7.0  
E1-1 to E1-17  
E2-1 to E2-3  
E3-1  
E4-1 to E4-3  
E5-1  
E6-1 to E6-3  
E7-1 to E7-2  
E8-1 to E8-3  
E9-1 to E9-2  
E10-1  
E11-1  
E12-1  
E13-1  
E14-1  
E15-1  
E16-1**NON-CONTROLLED**  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek

	Signature	Concurring Organization Element	Date
Originator	<i>James J. Bondaroff</i>	Emergency Planner	9/9/02
Approved By	<i>Mark Moore</i>	Radiation Protection Manager	9/9/02

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

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DOCUMENT HISTORY

REV.	DATE	ORIGINATOR	SUMMARY OF CHANGE
14	12/94	R. Finicle	Add guidance on media access to the site during declared emergencies.
15	02/95	A. Smith	Add Security Events to media access to get approval from local Law Enforcement and Security. EPIP-COM-45 to EPIP-OC-.29
16	06/95	A. Smith	Note for North Gate Applicability, Title changes of Buildings and General Typo's.
17	12/95	T. Blount	Correct typo's. Also modify Deviation documentation.
18	05/96	Bontempo	Revise Par Logic Diagram to address March 15, 1996 NRC/GPUN meeting. Delete Exhibit 1b pg. E1-16 through E1-19. Add Steps 2.1.1 through 2.1.3 of Exh. 1b Par Guide.
19	05/97	T. Blount	AEOF Removed from E-Plan 1000-PLN-1300.01 in Rev. 11. On-shift Team dispatch and mustering activity described.
20	10/97	A. Smith	Clarify nomenclature for fax machine in control room.
21	05/98	P. Hays	Change terminology from "Tech. Functions" to "Engineering", reflects elimination of Radwaste Supervisor, adds OCAB into considerations of on-site protective actions and clarifies transfer of authority for off-site notifications.
22	02/99	A. Smith	EPIP-COM-.44 and EPIP-COM-.45 have been changed to Oyster Creek site specific procedures and the new numbers are EPIP-OC-.44 and EPIP-OC-.45 (reference EP changes 98-021 & 98-022)
23	05/99	A. Smith	Clarify off-site notification transfer between ECC & EOF. Incorporate new public information process.
24	10/99	A. Smith	Clarify computer for ESDS usage.
25	DOS	A. Smith	Change references from GPU or GPUN or OCNCS.
26	09/00	G. Busch	Remove shift ORC Coordinator and clarify Communication Coordinator not necessarily a CRO.
27	10/00	A. Smith	Clarify transfer of Off Site Notification from ECC to EOF. Provide clarification for team tracking from the ECC. Improve 50.54X format.
28	06/01	R. Finicle	Revised step 3.1 of Exhibit 1 regarding personally providing the PAR to the Senior State Official at the State EOC. Added new Exhibit 16 PAR Notification Form. Change Ref. use from 1702.
29	10/01	A. Smith	Move Step 7.0 over on Exhibit 8 and add sign off line. Add sample and "This is a drill", "This is not a drill" to Exhibit 16. 50.59 Review applicability to "NO".
30	11/01	A. Smith	Add step to Exhibit 1 to staff ERO at credible security threat for UE, add note to Exhibit 1 to indicate requirements concerning transfer of command and control.
31		A. Smith	Revise Exh. 1B Step 1.7 to clarify hazards/evacuation routes.

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

**1.0 PURPOSE**

This procedure describes the actions to be taken by the Onshift Emergency Director (ED)/Site Shift Manager after an emergency is declared.

This procedure also describes the staffing, activation and operation of the Emergency Control Center (ECC).

**2.0 APPLICABILITY/SCOPE**

2.1 This procedure applies to the ED/GSS(SSM) and describes actions that must be taken by the ED/GSS(SSM) or his staff to implement the OCNGS Emergency Plan.

2.2 This procedure shall apply to all personnel assigned to the ECC during all levels of emergency classifications.

**3.0 DEFINITIONS**

3.1 Site Shift Manager - Is the Group Shift Supervisor on shift, responsible for the overall site operation as it pertains to the operation of the plant.

**4.0 RESPONSIBILITIES**

4.1 The ED/GSS(SSM) will perform or delegate the completion of the ED/GSS(SSM) checklist (Exhibit 1).

4.2 The Operation Coordinator/GOS will assume responsibilities outlined in Exhibit 3 (Operations Coordinator Responsibilities).

4.3 The Shift Technical Advisor will advise the ED/GSS(SSM) on activities that impact the safe operation of the plant.

4.4 A qualified person assigned as the on shift communicator will perform duties as specified in "Emergency Notification" Procedure EPIP-OC-.03.

4.5 The Initial Response Organization ECC communications coordinator and ECC communicators will perform duties as specified in accordance with this procedure.

4.6 A CRO or qualified person assigned as the initial OSC Coordinator will take direction from the SSM or GOS for coordination of initial emergency activities.

**5.0 PROCEDURE**

5.1 The following actions shall be performed by the on shift crew upon recognition of in plant or site conditions that have exceeded Emergency Action Levels (EALs) specified in EPIP-OC-.01.

5.1.1 GSS(SSM) will assume ED responsibilities (Exhibit 2) and complete actions listed on the ED/GSS(SSM) checklist (Exhibit 1).

5.1.2 GOS will assume Operations Coordinator responsibilities (Exhibit 3).

5.1.3 The person assigned by the GSS(SSM) will perform actions of "Communications Coordinator" as specified in EPIP-OC-.03.

5.1.4 Emergency responders on shift shall be directed to respond to events by the ED(SSM) or Ops Coordinator (GOS) from the ECC. If the conditions of the event indicate shift personnel should muster at a designated location, (to protect personnel) the ED shall direct them to an appropriate area. This area/location may be:

- 1) The EO room next the Control Room
- 2) The OSC
- 3) A suitable location selected by the GSS/ED.

When the OSC is Staffed by the IREO (typically 1 Hr from the Alert), the on-shift responders should be directed to report to that location.

- 5.1.5 Team(s) dispatched prior to Activation of the OSC by the IREO should be "tracked" using the information similar to Exhibit 1C, Checklist. The Operations or OSC Coordinator on-shift will perform the briefing/tracking of teams. If this individual is unable to perform this activity due to responding to the event, the ED/GSS will perform or designate a temporary replacement as needed to support the Team dispatch function.
- 5.2 Once the Initial Response Emergency Organization (IREO) members have reported to the ECC, the following actions shall be performed.
- 5.2.1 GSS(SSM) will complete the "ED Turnover Checklist" (Exhibit 1a) and turnover ED responsibilities to the on call ED. After this turnover the GSS(SSM) will continue to fill out applicable portions of the "ED/GSS(SSM) Checklist" (Exhibit 1).
- 5.2.2 GOS or GSS(SSM) will brief the on call Operations Coordinator with the "ED Turnover Checklist". The Operations Coordinator will then establish communications and assume responsibilities as outlined in Exhibit 3.
- 5.2.3 CRO or person performing on shift OSC Coordinator duties will brief the on call (IREO) Operations Coordinator on the status of teams dispatched from the ECC. The Ops Coordinator in turn will brief the on call OSC Coordinator of team status.
- 5.2.4 The person performing Communication Coordinator duties will brief the on call Communication Coordinator on the status of communications and turnover responsibilities as outlined in EPIP-OC-.03.
- 5.2.5 The on call ECC Communicators will assume communicator duties as listed in Exhibit 8, 9 and 10.
- 5.3 A description of evacuation preplanning for Alternate Emergency Response Facilities is provided in Exhibit 5.



## Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

## Revision No.

**31****6.0 REFERENCES**

- 6.1 2000-PLN-1300.01, OCNCS Emergency Plan.
- 6.2 Procedure 126, "Procedure for Notification of Station Events"
- 6.3 EPA 400-R-92-001, October 1991, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.
- 6.4 EPIP-OC.26, The Technical Support Center.
- 6.5 Evacuation Time Estimates Oyster Creek Nuclear Generating Station, Dresdner, Robin & Associates December 1991.
- 6.6 O C File No. 96003, Letter 6730-96-3167 dated 04/24/96 Summary of March 15, 1996 Emergency Preparedness Meeting with the NRC.
- 6.7 1820-IMP-1720.01, Emergency Public Information Implementing Procedure.

**7.0 EXHIBITS**

- 7.1 Exhibit 1, Emergency Director/GSS(SSM) Checklist
- 7.2 Exhibit 1a, ED Turnover Checklist
- 7.3 Exhibit 1b, Protective Action Recommendation Guide
- 7.4 Exhibit 1c, "Team Dispatch From CR" Checklist
- 7.5 Exhibit 2, Emergency Director Responsibilities
- 7.6 Exhibit 3, Operations Coordinator Responsibilities
- 7.7 Exhibit 4, Press Release Approval Guidance
- 7.8 Exhibit 5, Alternate Emergency Response Facilities
- 7.9 Exhibit 6, Emergency Director Authorization for Deviations from Requirements
- 7.10 Exhibit 7, Site Access Policy For Media During Emergencies
- 7.11 Exhibit 8, ECC Communications Coordinator Checklist
- 7.12 Exhibit 9, ECC Communicator - Engineering Line

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**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number

**EPIP-OC-.02**

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**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

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- 7.13 Exhibit 9A, Equipment Status Display System
- 7.14 Exhibit 10, ECC Communicator Plant Status Update
- 7.15 Exhibit 11, Emergency Shift Schedule
- 7.16 Exhibit 12, HIFAX Log (Example)
- 7.17 Exhibit 13, Communicator Log (Example)
- 7.18 Exhibit 14, Emergency Message Form (Example)
- 7.19 Exhibit 15, Media Access Briefing Form
- 7.20 Exhibit 16, PAR Notification Form

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EPIP-OC-.02

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**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

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EMERGENCY DIRECTOR/GSS(SSM) CHECKLISTEXHIBIT 1"UNUSUAL EVENT"Initial When Completed

1.0 Activate the ECC by performing the following (classification):

- \_\_\_\_\_ 1.1 EAL: \_\_\_\_\_
- \_\_\_\_\_ 1.2 Announce self as ED. Announce emergency classification and give brief description/reason for declaration: \_\_\_\_\_
- \_\_\_\_\_ 1.3 Remain cognizant of plant conditions/EALs to ensure appropriate emergency classification is declared.

## 2.0 Notifications

- \_\_\_\_\_ 2.1 Direct that offsite agencies are notified IAW EPIP-OC-.03.
- \_\_\_\_\_ 2.1.1 N.J. State Police (within 15 minutes).
- \_\_\_\_\_ 2.1.2 NRC (within 1 hour).
- \_\_\_\_\_ 2.1.3 Brief BNE when BNE representative calls Control Room (should be within 30 minutes of declaration - if no return call - contact NJSP and inform them). Conduct periodic briefings as requested and time permits.
- \_\_\_\_\_ 2.2 Direct that plant page announcements and management notifications be made IAW EPIP-OC-.03.
- \_\_\_\_\_ 2.3 Direct Security Shift Supervisor to implement EPIP-OC-.40 (Security actions). When time permits, discuss whether sabotage was involved.
- \_\_\_\_\_ 2.4 When Security and the Shift Manager have determined that there is a credible security threat per SY-AA-101-132, the Shift Manager will direct the Security Shift Supervisor to call out the ERO at the unusual event in accordance with EPIP-OC-.41.

## 3.0 Protective Actions

- \_\_\_\_\_ 3.1 Consider hazards to site personnel (see Exhibit 1b).

4.0 As necessary, review Exhibit 2, ED Responsibilities.

5.0 If media access to the site is requested, refer to Exhibit 7, "Site Access Policy For Media During Emergencies".

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**DIRECTION OF EMERGENCY RESPONSE/  
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EMERGENCY DIRECTOR/GSS (SSM) CHECKLISTEXHIBIT 1 (CONT'D)"UNUSUAL EVENT"

- 6.0 All deviations from procedures, equipment operating limits, Technical Specifications, License, and License Conditions will be authorized and documented using the guidance in Exhibit 6.
- 7.0 Review and approval of press releases should be accomplished in a timely manner. The guidance in Exhibit 4 may be used to facilitate the review.

NOTE

The IREO and the TSC are not normally activated during an Unusual Event. Step 8.0 below applies only if the IREO ED and/or TSC is activated.

- 8.0 ED Briefing/Turnover

NOTE

Transfer of Command and Control responsibilities from the Control Room to the TSC is not required for an Unusual Event, and therefore, will be at the discretion of the Shift Manager and TSC Emergency Director.

- 8.1 Contact and brief Initial Response ED, utilize office, home, or pager phone numbers as necessary.
- 8.2 At direction of initial response ED conduct a turnover to him (or in his absence, ESD) using Exhibit 1a. This turnover should be complete prior to the IREO ED assuming the position. The assumption of the ED position by the IREO ED should be the final step in activating the TSC.
- 9.0 Termination/Recovery (If not turned over to Initial Response ED). If plant is in a stable configuration and NO emergency action level criteria apply:
- 9.1 Direct Termination Page Announcement.
- 9.2 Direct Termination Notifications Offsite.
- 9.3 Conduct close-out briefing with BNE.
- 9.4 Issue a press release.

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

EMERGENCY DIRECTOR/GSS(SSM) CHECKLISTEXHIBIT 1 (CONT'D)"ALERT"Initial When Completed

1.0 If not already activated, activate the ECC and classify or reclassify the event by performing the following:

\_\_\_\_\_ 1.1 EAL: \_\_\_\_\_

\_\_\_\_\_ 1.2 If not relieved by Initial Response ED, announce self as ED, announce emergency classification, and give brief description/reason for declaration: \_\_\_\_\_

\_\_\_\_\_ 1.3 Remain cognizant of plant conditions/EALs to ensure appropriate emergency classification is declared.

2.0 Notifications

\_\_\_\_\_ 2.1 Direct that offsite agencies are notified IAW EPIP-OC-.03.

\_\_\_\_\_ 2.1.1 N.J. State Police (within 15 minutes).

\_\_\_\_\_ 2.1.2 NRC (within 1 hour).

\_\_\_\_\_ 2.1.3 Brief BNE when BNE representative calls Control Room (should be within 30 minutes of initial declaration - if no return call - contact NJSP and inform them). Conduct periodic briefings as requested and time permits.

\_\_\_\_\_ 2.2 Direct that plant page announcements and management notifications be made IAW EPIP-OC-.03.

\_\_\_\_\_ 2.3 Direct Security Shift Supervisor to implement EPIP-OC-.40 (Security actions) and EPIP-OC-.41 (activation of ERO). (Should be within 15 minutes of initial declaration).

\_\_\_\_\_ 2.3.1 When time permits discuss whether sabotage was involved.

\_\_\_\_\_ 2.4 If necessary call out a licensed or certified individual, preferably a GOS or GSS(SSM), to support the OSC.

3.0 Protective Actions

\_\_\_\_\_ 3.1 Consider hazards to site personnel (see Exhibit 1b).

4.0 As necessary, review Exhibit 2, ED Responsibilities.

5.0 If media access to the site is requested, refer to Exhibit 7, "Site Access Policy For Media During Emergencies".

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**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number

**EPIP-OC-.02**

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

**EMERGENCY DIRECTOR GSS(SSM) CHECKLIST****EXHIBIT 1 (CONT'D)****"ALERT"**

- 6.0 All deviations from procedures, equipment operating limits, Technical Specifications, License, and License Conditions will be authorized and documented using the guidance in Exhibit 6.
- 7.0 Review and approval of press releases should be accomplished in a timely manner. The guidance in Exhibit 4 may be used to facilitate the review.
- 8.0 At direction of Initial Response ED conduct a turnover to him (or in his absence, ESD) using Exhibit 1a. This turnover should be complete prior to the IREO ED assuming the position. The assumption of the ED position by the IREO ED should be the final step in activating the TSC.
- 9.0 Emergency Teams shall be directed from the ECC until the OSC is operational. Exhibit 1c should be used to track Emergency Teams. Teams may be directed by the ECC until the OSC Coordinator is available at the OSC to direct teams. At that time, team dispatch may be turned over to the OSC.
- 10.0 Termination/Recovery (If not turned over to Initial Response ED or ESD)
- 10.1 Implement EPIP-OC-.45.
- 10.2 Conduct close-out briefing with BNE.

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IMPLEMENTING PROCEDURE**

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Revision No.

31

EMERGENCY DIRECTOR GSS(SSM) CHECKLISTEXHIBIT 1 (CONT'D)"SITE AREA EMERGENCY"Initial When Completed

1.0 If not already activated, activate ECC and classify or reclassify event by performing the following:

- \_\_\_\_\_ 1.1 EAL: \_\_\_\_\_
- \_\_\_\_\_ 1.2 If not relieved by Initial Response ED, announce self as ED, announce emergency classification, and give brief description/reason for declaration: \_\_\_\_\_
- \_\_\_\_\_ 1.3 Remain cognizant of plant conditions/EALs to ensure appropriate emergency classification is declared.

## 2.0 Notifications

- \_\_\_\_\_ 2.1 If not turned over to the EOF, direct that offsite agencies be notified IAW EPIP-OC-.03.
- \_\_\_\_\_ 2.1.1 N.J. State Police (within 15 minutes).
- \_\_\_\_\_ 2.1.2 NRC (within 1 hour).
- \_\_\_\_\_ 2.1.3 Brief BNE when BNE Representative calls Control Room (should be within 30 minutes of initial declaration - if no return call - contact NJSP and inform them). Conduct periodic briefings as requested and time permits.
- \_\_\_\_\_ 2.2 Direct that plant page announcements and management notifications are made IAW EPIP-OC-.03.
- \_\_\_\_\_ 2.3 If not already done, direct Security Shift Supervisor to implement EPIP-OC-.40 (Security Actions) and EPIP-OC-.41 (Activation of ERO). (Should be within 15 minutes of initial declaration).
- \_\_\_\_\_ 2.3.1 When time permits discuss whether sabotage was involved.
- \_\_\_\_\_ 2.4 If necessary call out a licensed or certified individual, preferably a GOS or GSS(SSM), to support the OSC.

## 3.0 Protective Actions

- \_\_\_\_\_ 3.1 Consider hazards to site personnel (see Exhibit 1b).

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**DIRECTION OF EMERGENCY RESPONSE/  
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EMERGENCY DIRECTOR GSS/(SSM) CHECKLISTEXHIBIT 1 (CONT'D)"SITE AREA EMERGENCY"

- 3.2 If not relieved by Initial Response ED, direct site accountability.

- 3.2.1 Provide route to EAA. RAC/GRCS may be asked for input.

NOTE

Essential personnel within the protected area should be accounted for within 30 minutes. Full accountability should be achieved within 60 minutes. If not, search and rescue efforts should commence.

- 3.3 ECC support of site accountability

NOTE

References to the North Gate are only applicable when the gate is open during outages.

- 3.3.1 In the event of Security Computer failure assign an individual to collect accountability cards in facility or slot numbers from those outside the ECC. (Ensure Radwaste and all other Operations personnel are included)

- 3.3.2 Direct individual to call the Main Gate Security with badge slot numbers within 10 minutes of initial declaration of accountability

Main Gate - dial code 80 on the Security Line or 4950 from Site Phone

- 3.3.3 Accountability notification completed for facility.

- 3.4 Review PAR Logic Diagram (Exhibit 1b)

- 3.5 Consider the need to continue radwaste operations and direct Radwaste Operators appropriately. Inform Initial Response ED, when available, of disposition.

- 4.0 As necessary, review Exhibit 2, ED Responsibilities.



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**EPIP-OC-.02**

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**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

EMERGENCY DIRECTOR GSS/(SSM) CHECKLISTEXHIBIT 1 (CONT'D)"SITE AREA EMERGENCY"

- 5.0 If media access to the site is requested, refer to Exhibit 7, "Site Access Policy For Media During Emergencies".
- 6.0 All deviations from procedures, equipment operating limits, Technical Specifications, License, and License Conditions will be authorized and documented using the guidance in Exhibit 6.
- 7.0 Review and approval of press releases should be accomplished in a timely manner. The guidance in Exhibit 4 may be used to facilitate the review.
- 8.0 ED Turnover (If not previously completed).
- \_\_\_\_\_ 8.1 At direction of Initial Response ED conduct a turnover to him (or in his absence, ESD) using Exhibit 1a. This turnover should be complete prior to the IREO ED assuming the position. The assumption of the ED position by the IREO ED should be the final step in activating the TSC.
- 9.0 Emergency Teams shall be directed from the ECC until the OSC is operational. Exhibit 1c should be used to track Emergency Teams. Teams may be directed by the ECC until the OSC Coordinator is available at the OSC to direct Emergency Teams. At that time, team dispatch may be turned over to the OSC.
- 10.0 Termination/Recovery (If not turned over to Initial Response ED/ESD).
- \_\_\_\_\_ 10.1 Implement EPIP-OC-.45.
- \_\_\_\_\_ 10.2 Conduct close-out briefing with BNE.

Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

Revision No.

31

EMERGENCY DIRECTOR CHECKLIST  
EXHIBIT 1 (CONT'D)  
"GENERAL EMERGENCY"

Initial When Completed

1.0 If not already activated, activate the ECC and classify or reclassify the event by performing the following:

\_\_\_\_\_ 1.1 EAL: \_\_\_\_\_

\_\_\_\_\_ 1.2 If not relieved by Initial Response ED, announce self as ED, announce emergency classification, and give brief description/reason for declaration: \_\_\_\_\_

\_\_\_\_\_ 1.3 Remain cognizant of plant conditions/EALs to ensure appropriate emergency classification is declared.

2.0 Notifications

\_\_\_\_\_ 2.1 If not turned over to the EOF, direct that offsite agencies be notified IAW EPIP-OC-.03.

\_\_\_\_\_ 2.1.1 N.J. State Police, Ocean County, Ocean Township, and Lacey Township (within 15 minutes).

\_\_\_\_\_ 2.1.2 NRC (within 1 hour).

\_\_\_\_\_ 2.1.3 Brief BNE when BNE representative calls Control Room (should be within 30 minutes of initial declaration - if no return call - contact NJSP and inform them). Conduct periodic briefings as requested and time permits.

\_\_\_\_\_ 2.2 Direct that plant page announcements and management notifications are made IAW EPIP-OC-.03.

\_\_\_\_\_ 2.3 If not already done, direct Security Shift Supervisor to implement EPIP-OC-.40 (Security Actions) and EPIP-OC-.41 (ERO Activation). (Should be within 15 minutes of initial declaration).

\_\_\_\_\_ 2.3.1 When time permits discuss whether sabotage was involved.

\_\_\_\_\_ 2.4 If necessary call out a licensed or certified individual, preferably a GOS or GSS(SSM), to support the OSC.

3.0 Protective Actions and Recommendations

\_\_\_\_\_ 3.1 If turnover to IREO ED or ESD is not complete, personally convey the PAR to the Senior State official at the State EOC using Exhibit 16, within approximately 15 minutes of declaration (see Exhibit 1b, PAR Logic Diagram).

\_\_\_\_\_ 3.1.1 Discuss with BNE representative as soon as time permits.

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**DIRECTION OF EMERGENCY RESPONSE/  
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EMERGENCY DIRECTOR CHECKLISTEXHIBIT 1 (CONT'D)"GENERAL EMERGENCY"

- \_\_\_\_\_ 3.2 Direct page announcement for site evacuation of nonessential personnel IAW EPIP-OC-.03. If turnover to ED is complete, obtain his concurrence with announcement.
- \_\_\_\_\_ 3.2.1 Provide Security with selected assembly area and route.  
[ ] Forked River Bld. 14 - or [ ] Berkeley Customer Operations Center.
- \_\_\_\_\_ 3.3 Consider need to continue Radwaste operations and direct Radwaste Operators appropriately. Inform Initial Response ED, when available, of disposition.
- 4.0 As necessary, review Exhibit 2, ED Responsibility.
- 5.0 If media access to the site is requested, refer to Exhibit 7, "Site Access Policy For Media During Emergencies".
- 6.0 All deviations from procedures, equipment operating limits, Technical Specifications, License, and License Conditions will be authorized and documented using the guidance in Exhibit 6.
- 7.0 Review and approval of press releases should be accomplished in a timely manner. The guidance in Exhibit 4 may be used to facilitate the review.
- 8.0 ED Turnover (If not previously completed).
- \_\_\_\_\_ 8.1 At direction of Initial Response ED conduct a turnover to him (or in his absence, ESD) using Exhibit 1a. This turnover should be complete prior to the IREO ED assuming the position. The assumption of the ED position by the IREO ED should be the final step in activating the TSC.
- 9.0 Emergency Teams shall be directed from the ECC until the OSC is operational. Exhibit 1c should be used to track Emergency Teams. Teams may be directed by the ECC until the OSC Coordinator is available at the OSC to direct teams. At that time, team dispatch may be turned over to the OSC.
- 10.0 Recovery
- \_\_\_\_\_ 10.1 Implement EPIP-OC-.45 (if not turned over to Initial Response ED/ESD).
- \_\_\_\_\_ 10.2 Conduct close-out briefing with BNE (if not turned over to ESD).

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EXHIBIT 1aEMERGENCY DIRECTOR TURNOVER CHECKLIST  
(Page 1 of 3)EMERGENCY CLASSIFICATIONDATE/TIME OF DECLARATION

UNUSUAL EVENT \_\_\_\_\_

ALERT \_\_\_\_\_

SITE AREA EMERGENCY \_\_\_\_\_

\* GENERAL EMERGENCY \_\_\_\_\_

Reactor power at time of event \_\_\_\_\_ % BRIEF DESCRIPTION OF THE EMERGENCY

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\* CURRENT PAR STATUS (Required for General Emergency) \_\_\_\_\_

STATUS OF ACCOUNTABILITY/ONSITE PROTECTIVE ACTIONS \_\_\_\_\_

PRESENT STATUS OF PLANT

\_\_\_\_\_ At Power ( \_\_\_\_\_ %)

\_\_\_\_\_ Hot Standby

\_\_\_\_\_ Hot Shutdown

\_\_\_\_\_ Cooling down (describe cooldown mode) \_\_\_\_\_

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EXHIBIT 1a (CONT'D)EMERGENCY DIRECTOR TURNOVER CHECKLIST

(Page 2 of 3)

Estimated time to 'STABLE' plant conditions \_\_\_\_\_ hours

Did reactor trip? YES - NO

Did ECCS activate? YES - NO

Is offsite power available? YES - NO

Are both Diesel Generators operable? YES - NO

Are Diesel Generators running? EDG#1 YES - NO EDG#2 YES - NO

Are the Station Blackout CTs available? YES - NO

Is fuel integrity maintained? YES - NO

Is containment integrity maintained? YES - NO

If no, specify \_\_\_\_\_  
\_\_\_\_\_Do you suspect there is a release  
(monitored or unmonitored) in progress? ☐ NO ☐ YES ☐ N/A

If yes, specify pathway: \_\_\_\_\_

Is release ☐ AIRBORNE RELEASE ☐ LIQUID RELEASE ☐ UNKNOWNPlume dispersion ☐ ELEVATED ☐ GROUND ☐ N/ADetails: \_\_\_\_\_  
\_\_\_\_\_

Are there any abnormally high inplant radiation levels? YES - NO

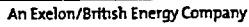
Specify location \_\_\_\_\_  
\_\_\_\_\_

Are there any personnel injuries? YES - NO

Provide status \_\_\_\_\_  
\_\_\_\_\_

Were there any news releases issued? YES - NO

Specify \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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YES - NO

Specify \_\_\_\_\_

**NOTES:**

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Turnover Completed: Date \_\_\_\_\_ Time \* \_\_\_\_\_

Current ED \_\_\_\_\_ Oncoming ED \_\_\_\_\_  
Sign Sign

\*Note time should be filled in when the oncoming ED assumes ED responsibilities.

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EXHIBIT 1bPROTECTIVE ACTION RECOMMENDATIONS GUIDE**1.0 Onsite**

- 1.1 Inform the OSC Coordinator of personnel who were dispatched in support of emergency before the OSC was activated.
- 1.2 Relocate site personnel from areas of hazard or where the dose is projected to exceed 1000 mRem Total Whole Body Dose (TEDE). Consult RAC.
- 1.3 Evacuation of any area, site accountability, and site evacuation may be ordered at the discretion of the Emergency Director.

NOTE

If the Main Gate is evacuated, accountability can not be conducted.

- 1.4 Consider protective actions such as: securing ventilation, access control, Safety Department support. Consider securing Main, Turbine Bldg., and Computer Room doors to the Control Room in accordance with Control Room HVAC Procedure 331.1 if radiological release could affect Control Room personnel.
- 1.5 Consider protective actions such as: leaving the site, sheltering, or evacuation to an assembly area for Forked River Site, Combustion Turbine Site, Southern Area Stores Warehouse, Oyster Creek Administration Building (OCAB), and Trailer 300. If action is necessary, personnel may be informed by the following mechanisms:
  - 1.5.1 Contact Security Shift Supervisor to make a page announcement on the Forked River Site, and Trailer 300.

AND

- 1.5.2 Direct Security Shift Supervisor to dispatch a patrol to the affected areas to direct personnel to take the prescribed protective actions. Consider Security manpower requirements when taking this action.

OR

- 1.5.3 Direct available personnel (e.g., from OSC) to go to the affected areas to direct personnel to take the prescribed protective actions.





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EXHIBIT 1b (CONT'D)PROTECTIVE ACTION RECOMMENDATIONS GUIDE

2.1.2.2 There must be strong assurance that there is definite control of the release and termination of the release by the positive actions of the emergency responders actions during the release process (such as Containment Venting).

2.1.3 Sheltering may be the protective action of choice, if rapid evacuation is impeded by:

- a) severe environmental conditions--e.g. severe weather or floods;
- b) physical constraints to evacuation--e.g. inadequate roads

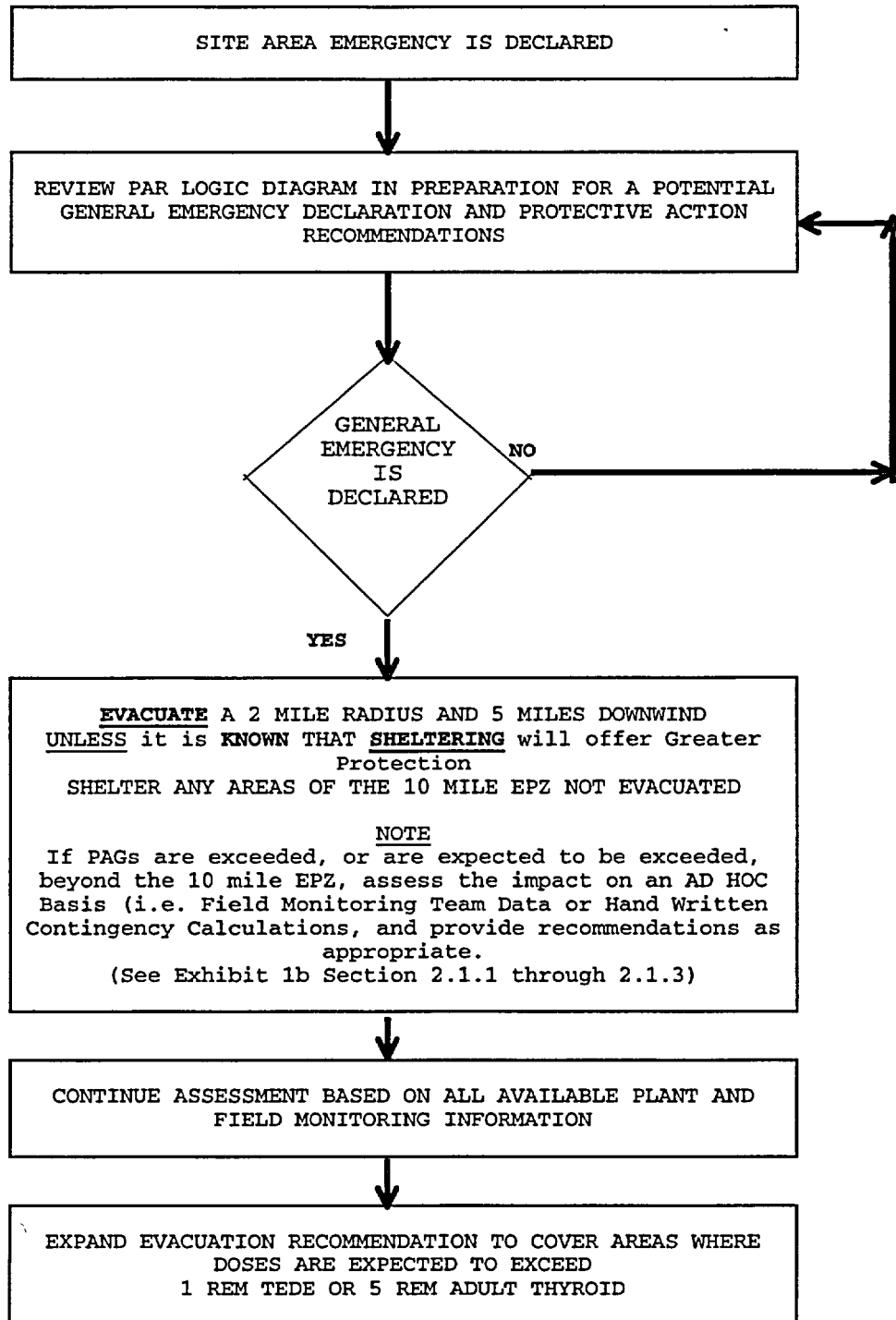
NOTE

The information in 2.1.3 "a" and "b" MAY ONLY BE AVAILABLE from previous discussions with New Jersey Office of Emergency Management or New Jersey Bureau of Nuclear Engineering Personnel.

2.2 During a Site Area Emergency, Protective Action Recommendations should not be immediately necessary, however, the PAR Logic Diagram should be reviewed.

2.3 Offsite protective actions should not be required during an Unusual Event or Alert.

EXHIBIT 1B (CONT'D)  
OYSTER CREEK  
PAR LOGIC DIAGRAM



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**EXHIBIT 1c (Example)  
"TEAM DISPATCH FROM C.R." CHECKLIST****NOTE**

Start team numbers as ECC-001, ECC-002 etc.

Team Member Name(s): \_\_\_\_\_

Team No.: \_\_\_\_\_

**INITIAL SPACE AT RIGHT**

1.0 Member(s) has/have been advised of radiological and/or industrial hazards in area or route. \_\_\_\_\_

2.0 Radiological monitoring capability is available to team. (Dose rate meter, alarming dosimeter or Rad Con escort) \_\_\_\_\_

3.0 Work scope and direction has been provided to team. \_\_\_\_\_

Location Dispatch to: \_\_\_\_\_

Function of Team: \_\_\_\_\_

Time team returned and brief description of function. \_\_\_\_\_

Team Member Name(s): \_\_\_\_\_

Team No.: \_\_\_\_\_

**INITIAL SPACE AT RIGHT**

1.0 Member(s) has/have been advised of radiological and/or industrial hazards in area or route. \_\_\_\_\_

2.0 Radiological monitoring capability is available to team. (Dose rate meter, alarming dosimeter or Rad Con escort) \_\_\_\_\_

3.0 Work scope and direction has been provided to team. \_\_\_\_\_

Location Dispatch to: \_\_\_\_\_

Function of Team: \_\_\_\_\_

Time team returned and brief description of function. \_\_\_\_\_

Team Member Name(s): \_\_\_\_\_

Team No.: \_\_\_\_\_

**INITIAL SPACE AT RIGHT**

1.0 Member(s) has/have been advised of radiological and/or industrial hazards in area or route. \_\_\_\_\_

2.0 Radiological monitoring capability is available to team. (Dose rate meter, alarming dosimeter or Rad Con escort) \_\_\_\_\_

3.0 Work scope and direction has been provided to team. \_\_\_\_\_

Location Dispatch to: \_\_\_\_\_

Function of Team: \_\_\_\_\_

Time team returned and brief description of function. \_\_\_\_\_

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EXHIBIT 2EMERGENCY DIRECTOR RESPONSIBILITIES

The ED is vested with certain authority and responsibilities that may not be delegated to a subordinate. Included are:

- A. Approving and directing official notifications to offsite agencies.
- B. Approving and directing information releases to the media. ED/ESD approval is not required for public announcement of formal emergency declaration and changes of emergency classifications.
- C. Approving and, if possible, personally conveying appropriate Protective Action Recommendations to the New Jersey Office of Emergency Management.
- D. Serve as principle "point of contact" for receiving NRC directives.
- E. Classification of an emergency event.
- F. Directing onsite evacuation at the Alert or lower level emergency classification based on potential hazard to nonassigned personnel.
- G. Authorizing emergency workers to exceed 10 CFR 20 Radiation Exposure Limits in accordance with Exhibit 1b.
- H. Approving and directing deviation from established operating procedures, normal equipment operating limits, or technical specifications during attempts to control the plant emergency/or during a declared National Security Emergency.

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EXHIBIT 2  
(continued)

NOTE: For National Security Emergencies, the following conditions must be met.

1. When this action is immediately needed to implement national security objectives as designated by the National Command Authority through the NRC.

and

2. No action consistent with license conditions and technical specifications that can meet national security objectives is immediately apparent.

NOTE: In essence, no one below a licensed SRO individual can make the decision to depart from the license. However, if a more senior manager is present (i.e., Emergency Director) even though he may not possess an SRO license, the decision authority would be passed to him as a higher authority in the chain of command. The licensed SRO shall provide his best judgement to the ED for his consideration. Beyond that, the SRO shall follow the orders of his supervisor. It is imperative that the Emergency Director consult the SRO, and the Technical Support Center to the fullest extent practicable in arriving at a decision to deviate from prescribed procedures. However, Emergency Operating Procedures should generally not be deviated from. If the decision is made to depart from licensing conditions or technical specifications, notify the NRC before taking such actions if time permits or if time does not permit then within one hour.

**EXHIBIT 2  
(continued)**

When the Emergency Support Director (ESD) arrives at the EOF and declares himself to be ready to assume that role, he will assume overall responsibility for management of the response to the accident and recovery operations. With the activation of the Emergency Support Director function, the ESD specifically will assume decision authority for Items A, B, C, and D. However, decision authority for Items E, F, G, and H will be retained by the ED. Decisions on all of the listed actions normally will result from close and continuous consultation between the ED and the ESD, and it shall be the responsibility of the ED to ensure the ESD is provided with the necessary information to arrive at timely and appropriate decisions. In the special case of event classification, the ESD shall retain the prerogative to overrule the ED if, in the judgment of the ESD, uncertainty or other considerations exist to the extent warranting classification of higher level of emergency than that classified by the ED.

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EXHIBIT 3OPERATIONS COORDINATOR RESPONSIBILITIES

- A. Coordinate operations and maintenance activities through the GSS(SSM) and the OSC Coordinator.
- B. Establish and maintain direct communication with the TSC and OSC (when activated).
- C. Inform the ED of all significant plant changes and status of operator responses.
- D. Ensure ED's directions are provided to and implemented by the ECC (GSS(SSM)) and the OSC (OSC Coordinator).
- E. Consider the effects of operations and maintenance activities to off-site and on-site personnel prior to and during event response.

EXHIBIT 4PRESS RELEASE APPROVAL GUIDANCE

1.0 Press releases should be issued within approximately one hour from the time that a major plant event has occurred. Press release shall be written in accordance with the following guidelines:

1.1 The following categories of information should be included in press releases.

a. Level of Emergency

This is simply identifying which one of the four emergency levels was declared.

b. Basis for Emergency Declaration

This should be a simplified description of the plant condition which produced the emergency action level (e.g., a leak of radioactive water within the plant building).

c. Operations Status of Plant

A simple description of plant status at the time of the emergency declaration (e.g., OCGS was operating at 100% power when the leak was discovered, however, the plant is currently reducing power).



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EXHIBIT 4PRESS RELEASE APPROVAL GUIDANCEd. Company/Government Interface

This is intended to inform the public that OCGS has notified and is working closely with government officials so that public confidence and company credibility can be increased.

e. Corrective Actions

This should be a nontechnical description of what plant personnel are doing to correct the problem. It may include such language as "attempts are being made to stop the leak" or "plant personnel are investigating the cause of the leak."

f. Offsite Impact

A statement which simply assesses what impact this event may have on the environment. This is intended to provide factual information on offsite radiological conditions (e.g., a radioactive release is in progress, however, environmental monitoring teams have not detected any radiation levels offsite in excess of normal background). The initial press release should include all or part of the above information since time is of the essence. However, at the very least, it should contain items a-e above.

EXHIBIT 4PRESS RELEASE APPROVAL GUIDANCE

2.0 In addition to the above, the following guidance should be used in issuing press releases:

- Speculation, dose projections and Protective Action Recommendations should not be included in press releases.
- Press releases may have operational and radiological review but shall have concurrence by the ED. Original initialed copies are to be retained for records. Exceptions to this are limited to press releases with boiler plate information only (e.g., Pre-approved boiler plate press releases are contained in Procedure 1820-IMP-1720.01, Attachment 1) which may be issued without prior review and approval. Once the Governor has declared a "State of Emergency", all OCNCS press releases shall be provided to the State Police representative in the Media Center for review prior to final issuance. Changes made as a result of this review should be communicated to the ESD (ED if ESD is not activated).

NOTE

For Security related events, press releases containing potential safeguards information are to be reviewed by the Security Coordinator.

- Press releases will be reviewed expeditiously in order to support timely issuance.
- Press releases should avoid technical terms (e.g., plant names) and jargon (e.g., trip) and should be written as simple as possible. For example, ISO Condenser could be referred to as a heat removal process from the Reactor.

EXHIBIT 5  
ALTERNATE EMERGENCY RESPONSE FACILITIES

This exhibit provides for a description of evacuation preplanning for Alternate Emergency Response Facilities as follows:

1. Control Room/ECC - Evacuation of Control Room - the Operators control the plant from remote shutdown panels and the GSS(SSM) directs plant operations from the TSC. All other ECC IREO members are integrated into the TSC organization. (Refer to 2000-ABN-3200.30 for specific direction).
2. OSC - Evacuation of OSC - all OSC personnel are evacuated to the SOSOC which is located in the rear of the TSC. (Refer to EPIP-OC-.27 for specific direction.)
3. TSC - Evacuation of TSC - the ED support staff which includes the ED, ED Assistant, RAC, RASE, and PI Rep. evacuate to the Control Room (ECC). The Tech Support staff which includes the TSC Coordinator, TSC Engineers, Communication Coordinator, Communicators and the Tech Assistant evacuate to the OSC. The Core Engineer would initially report to the Control Room, but if his services are not needed, he will be sent to the OSC. (Refer to EPIP-OC-.26 for specific direction).
4. Remote Assembly Area - Evacuation of RAA's - if the Forked River Bldg. 14 RAA is not available then relocate to the Berkeley Customer Operations Center.
5. Emergency Assembly Area - The EAA may be redirected to the Forked River Assembly Area or to the Remote Assembly Area at Berkeley Customer Operations Center as directed by management. In this case Site Accountability is conducted as personnel exit the site.
6. EOF - There are no backup facilities for the EOF because it is remote from the site and it is unlikely that a nuclear related incident would affect both the plant and this center.

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EXHIBIT 6EMERGENCY DIRECTOR AUTHORIZATION FORM  
FOR DEVIATIONS FROM REQUIREMENTSTYPE OF DEVIATION

- ☐ I. Deviations authorized under the Emergency Plan.  
Deviations from operating procedures, emergency procedures, emergency plan implementing procedures, or normal equipment operating limits that do not result in a deviation from Technical Specifications, Operating License, License Conditions or other NRC Rules, Regulations, or Orders.
- ☐ II. Deviations authorized by 10 CFR 50.54 (x) and (y) for the protection of public health and safety.
- ☐ A. Departure from a Technical Specification requirement.
- ☐ B. Departure from the Operating License.
- ☐ C. Departure from a License Condition.  
(Refer to page E6-2 & 3 for assistance in defining "License Conditions")
- ☐ D. Departure from NRC Rules, Regulations, or Orders.

Deviations are only permissible if all of the following are met:

1. An Emergency condition exists which can impact the public health and Safety.
2. The deviation is allowed if there are no actions which are consistent with license conditions or technical specifications.
3. The action must be taken immediately in order to be effective in protecting the public health and safety.

Deviation JustificationAlternatives Considered

SRO Concurrence: \_\_\_\_\_

TSC Eng. Concurrence: \_\_\_\_\_

ED Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

NRC Notification:  
(use ENS line)

Date: \_\_\_\_\_

Time: \_\_\_\_\_

NRC Person Notified: \_\_\_\_\_

## EXHIBIT 6

Procedure: EPIP-OC-.02

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EMERGENCY DIRECTOR AUTHORIZATION FORM  
FOR DEVIATIONS FROM REQUIREMENTS

(continued)

## LICENSED CONDITIONS

REGULATION	REQUIREMENT	DESCRIPTION	DEVIATION
10 CFR 50.54(A) 10 CFR 50 APP. B	OQA Plan	Plan to insure quality in all phases of Nuclear Plant operation and to enhance Safety	A 50.54(x) deviation consists of not implementing the OQA Plan or a section of the Plan to protect public safety and health. See NOTE 1 below.
10 CFR 50.54(p) 10 CFR 73.55	Safeguards and Security Plan	Requirement for Physical Security and control of information pertaining to the method employed.	A 50.54(X) deviation is not implementing a major portion of the Security Plan to protect public health and safety. See Note 2 below.
10 CFR 50.54(q) 10 CFR 73.55(b) 10 CFR 50 APP. E	Emergency Plan	Plan to insure the appropriate facilities, personnel, procedures and equipment are available to adequately respond to emergencies. The sub-parts of this item are: <ul style="list-style-type: none"> <li>*Standard Classification System</li> <li>*Notification of Local, State and Federal Organizations</li> <li>*Methods, Systems &amp; Equipment for assessing &amp; monitoring actual or potential radiological consequences</li> <li>*Use of Protective Action Recommendations</li> <li>*Controlling radiological exposure</li> <li>*Activation of the Emergency Response Facilities</li> <li>*Activation/use of Emergency Response Facilities</li> <li>*Use of ERDs (Emergency Response Data System)</li> </ul>	All of theses sub-parts of the Emergency Plan are implemented via implementing procedures. Examples of 50.54(x) <b>DEVIATIONS</b> , while protecting public health and safety follow: <b>Deciding Intentionally to NOT.</b> <ul style="list-style-type: none"> <li>* Control exposures of all workers per EPA-400 limits</li> <li>* Activate the Emergency Response organization</li> <li>* Use/Activate Emergency Facilities</li> </ul> <p>The other items of this part do not meet the criteria for a 50.54(x) DEVIATION that would still protect the public health and safety. Any instance of not complying with these parts is a violation, but not a valid DEVIATION.</p>
10 CFR 50.54(z)	NRC Operations Center	Requires notify and maintain communications with the NRC Operations Center of events specified in 10 CFR 50.72	a 50.54(x) deviation is when the NRC is intentionally Not notified or when communications with the NRC is being suspended without NRC concurrence to protect public health and safety.

## NOTE 1

The OQA Plan describes the formal plan to implement the requirements of 10 CFR 50 Appendix B. The Plan contains the controls and bases for procedures that implement the Plan. If an entire process described in the Plan is not followed, this must be considered under 10 CFR 50.54(x). It is unlikely that such a deviation could be considered to protect the health and safety of the public thus could not be authorized under 10 CFR 50.54(x). Specific and individual deviations from the plan's implementing procedures are not considered a deviation from the Plan, and as such would still require the approval of the Emergency Director and documentation on Exhibit 6 but would not require notification of the NRC per 10 CFR 50.72(a) (2) (i) (C).

## NOTE 2

The Security Plan implements the requirements of 10 CFR 73.55. In essence, deviations from the Security Plan are deviations from 10 CFR 73.55 and in accordance with 10 CFR 73.55(a) are reported in accordance with 10 CFR 50.54(x). In addition to the Security Plan, 10 CFR 73.55 requires a Safeguards Contingency Plan which gives guidance to accomplish specific defined objectives for different events. The Safeguards Contingency Plan is considered similar to an implementing document and therefore specific deviations from it are not 10 CFR 50.54(x) deviations. However, if whole parts of the Safeguards Contingency Plan are not followed, these should be considered under 10 CFR 50.54(x).

Example: The Security Plan, as required by 10 CFR 73.55, contains requirements on access controls. If access controls are suspended this should be considered a deviation of the Security Plan and be reported in accordance with 10 CFR 50.54(x). However, if access controls will be maintained but differently than described in the procedures, this is not a 10 CFR 50.54(x) deviation but would still require the appropriate approval and documentation using this exhibit page E6-1.

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EXHIBIT 6

EMERGENCY DIRECTOR AUTHORIZATION FORM  
FOR DEVIATIONS FROM REQUIREMENTS  
(continued)

ADDITIONAL INFORMATION AND REGULATORY EXCERPTS

- 50.54(X) - A licensee may take reasonable action that departs from a license condition or technical specification (contained in a license issued under this part) in an emergency when this action is immediately needed to protect the public health and safety and no action consistent with license conditions and technical specifications that can provide adequate or equivalent protection is immediately apparent.

NOTE

The NRC has interpreted 50.54(x) to apply to NRC rules, regulations and orders in addition to Technical Specifications, Licenses, and License Conditions.

- 50.54(y) - Licensee action permitted by paragraph (x) of this section shall be approved, as a minimum, by a licensed senior operator prior to taking the action.
- 73.55(a) - In accordance with section 50.54(x) and (y) of Part 50, the licensee may suspend any safeguards measure pursuant to Section 73.55 in an emergency when this action is immediately needed to protect the public health and safety and no action consistent with the license conditions and technical specifications that can be provide adequate or equivalent protection is immediately apparent. This suspension of safeguards measures must be reported in accordance with the provisions of 73.71. Reports made under Section 50.72 need not be duplicated under 73.71.

NOTE

In essence, no one below a licensed SRO individual can make the decision to depart from the License. However if a more senior manager is present (ie., Emergency Director) even though he does not possess an SRO license, the decision authority would be passed to him as a higher authority in the chain of command. The licensed SRO shall provide his best judgement to the ED for his consideration. Beyond that the SRO shall follow the orders of his supervisor.

It is suggested that the Emergency Director consult to the extent practicable with the Technical Experts at the TSC in arriving at a decision to deviate from prescribed procedures. However, Emergency Operating Procedures should not generally be deviated from.

- 50.72(b) - Any deviation from the plant's technical specifications authorized pursuant 50.54(x) of this part.

NOTE

Notify the NRC before taking action if time permits but at least within 1 hour of the deviation.

The NRC interprets the reporting requirement to cover any departure under 50.54(x) AND (Y), and is not limited to Technical Specification deviations.

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EXHIBIT 7

SITE ACCESS POLICY FOR MEDIA DURING EMERGENCIES

Providing reasonable site access to the media during a plant emergency is in the best interest of the corporation and the public.

Responsibility for approving site access rests with the Emergency Support Director, or, if the EOF is not activated, with the Emergency Director.

For purposes of media access to the site during an emergency, the same industrial safety and security standards and requirements that apply to non-essential employees will be applied to the media.

Communication Department Responsibilities

Requests for media access will be made to the ESD or ED by the Public Information Duty Representative or the Media Center Lead.

Communications will provide the ED/ESD with the number of media to gain site access, areas to be accessed and length of time the media will be there, (Communications will decide the number of media gaining access based on conditions at the time of the emergency. An attempt will be made to gain access for, at a minimum, one representative each from radio, television and print media.)

Communications will provide media transportation on and off site.

Communications will have each member of the media sign a Media Access Briefing Form, Exhibit 15, indicating they were briefed about the risks as they were known at the time by the corporation.

1. If media access does not involve entry into a posted radiologically controlled area:
  - a. At Oyster Creek, Security will retain responsibility for sign in and badging.
  - b. Communications will supervise and escort the media while on site.
  - c. Communications will conduct a briefing explaining the radiological and industrial conditions and risks on site.
2. If media access involves entry into a posted radiologically controlled area:
  - a. Media will be processed at Bldg. 14 as appropriate, receiving dosimetry, training, bioassay, waivers and briefings based on established procedural requirements.
  - b. Communications will notify the Security Coordinator prior to site access.
  - c. Communications in conjunction with Radiological Controls will supervise and escort the media while in posted radiologically controlled areas.

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EXHIBIT 7 (cont.)SITE ACCESS POLICY FOR MEDIA DURING EMERGENCIESED/ESD Responsibilities

1. The ED/ESD will consult with the RAC/Group Leader R&EC, and media will be granted access if the projected dose will not exceed the 500 millirem annual limit including external and internal exposure.

NOTE

For Security Driven Events, media access to the site must also be approved by the local Law Enforcement Agency and Security.

2. Approve media access to the site if requirements are met.



## Title

**DIRECTION OF EMERGENCY RESPONSE/  
EMERGENCY CONTROL CENTER (ECC)**

## Revision No.

31

EXHIBIT 8ECC COMMUNICATIONS COORDINATOR CHECKLIST

## INITIALS

- \_\_\_\_\_ 1.0 Report to the Operations Coordinator\ED Assistant and support information transmittals to the TSC, OSC, EOF, BNE and NRC. Also corporate engineering if applicable.
- 2.0 Direct communications operations at the facility and ensure all communicator actions are completed in accordance with procedure.
- \_\_\_\_\_ 3.0 Implement EPIP-OC-.03, Emergency Notification.

NOTE

Initial Off-site notifications to the State must be accomplished within fifteen (15) minutes of the declaration.

- \_\_\_\_\_ 4.0 Continue Off-site notifications until the ESD has assumed the offsite notification and the EOF communicator relieves the ECC of that responsibility. The ECC will continue to make On-Site plant page announcements.

NOTE

Transmissions of information to the NRC and BNE may require special attention. Any NRC and BNE needs should be addressed as soon as practical.

- \_\_\_\_\_ 5.0 When relieved of Off-Site Notifications, by the EOF Communicator, the ECC Communicator shall provide a turnover of prior notifications made by ECC via the telephone and follow up with a fax of all completed notifications made from the ECC.

NOTE

On-site plant page announcements will remain the responsibility of the ECC.

- \_\_\_\_\_ 6.0 In accordance with EPIP-OC-.03 establish and maintain communications with Off-site agencies until relieved by the TSC or EOF Communications Coordinator.

**OYSTER CREEK  
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**EXHIBIT 8  
(continued)****ECC COMMUNICATIONS COORDINATOR CHECKLIST**

INITIALS

**NOTE**

After EOF is activated and the BNE is present, the transmission of Station Status Checklist to BNE should be terminated.

- \_\_\_\_\_ 7.0 Initiate the development of watch bill for your organization that will support the emergency on a 24 hour/day basis. (Exhibit 11)
- \_\_\_\_\_ 8.0 Ensure that communications to the NRC via NRC/ENS line, this function may be transferred to the TSC if communications personnel are available in that location. This may require callout of addition personnel.

**NOTE**

Notifications are required within 1 HR of declarations. NRC may require constant manning of this phone.

- \_\_\_\_\_ 9.0 When the TSC communication coordinator is fully staffed and ready, transfer ENS line responsibilities to the TSC. NRC may resist this transfer but manpower limitations mandate it. If ERDS is operational it will facilitate the transfer.
- \_\_\_\_\_ 10.0 As requested, provide the Ops. Coordinator with the status of the OSC teams utilizing an available lan based PC

**NOTE**

If this system fails, obtain status via phone and ensure the Ops Coordinator is kept apprised.

- \_\_\_\_\_ 11.0 Report failed communications systems to the TSC Communications Coordinator. Provide specific information for each trouble report including: circuit, nature of problem, location, etc.

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EXHIBIT 8  
(continued)ECC COMMUNICATIONS COORDINATOR CHECKLIST

## INITIALS

\_\_\_\_\_ 12.0 Call out additional personnel, if required (e.g., for NRC interface)

NOTE

For call out of Duty Roster personnel, contact Security Shift Supervisor. For additional staff, contact Group Leader Adm Support/ If not available, use normal dept. call-out methods.

13.0 If the plant computer system fails, transmit critical plant parameters to the TSC approximately every fifteen (15) minutes, or as conditions change.

\_\_\_\_\_ 14.0 Ensure equipment status is maintained by the assigned communicator. If this system fails, equipment status should be manually transmitted to the TSC every thirty (30) minutes or as conditions change.

15.0 Upon termination of the emergency, ensure those agencies previously notified in EPIP-OC-.03 have been advised of the termination.

15.1 If Off-site notifications responsibility has been transferred, this responsibility should be transferred also. Verify completion with appropriate Communications Coordinator.

\_\_\_\_\_ 16.0 All completed logs and records are then forwarded to the Emergency Preparedness Dept.

Signature \_\_\_\_\_  
ECC Comm. Coord.

Date \_\_\_\_\_

Title

**DIRECTION OF EMERGENCY RESPONSE/  
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EXHIBIT 9

ECC COMMUNICATOR

Engineering Line

INITIALS

- \_\_\_\_\_
- 1.0 Report to ECC Comm. Coordinator.
  - 2.0 As required, conference the Engineering line.
  - 3.0 If the Plant Computer System is inoperable, obtain and complete Critical Plant Parameters sheet and ensure it is transmitted over the fax to all centers except ECC.

NOTE

Use the time the data was compiled as opposed to the time the data is sent when filling out the sheet.

- 4.0 Maintain the Equipment Status Display on the computer with EP applications for current Plant Status. (Instructions are in Exhibit 9A.)
- 5.0 Complete Station Status Checklist and transmit it to the BNE until the BNE function is at the EOF. Obtain directions from the ECC Comm. Coord. on when to terminate transmittal.
- 6.0 Maintain a Communicator Log (Exhibit 13) which includes:
  - Verbal communication messages not documented in writing elsewhere.
  - Any relevant information to communicator duties.
- 7.0 The Communicator may request the assistance of the Communications Coordinator to assign other personnel, such as the Off-shift STA, to perform Station Status Checklist transmission, or other tasks as necessary.

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**EPIP-OC-.02**

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EXHIBIT 9AEQUIPMENT STATUS DISPLAY SYSTEM

- 1.0 Ensure that the computer with the EP applications is logged onto the LAN.
- 2.0 Open the "EP Applications" folder.
- 3.0 Double Click on the ESDS Icon.
- 4.0 Select the center from which you are accessing ESDS (i.e.; ECC, TSC, CSC, Other).
- 5.0 IF asked "Do you wish to reset status screen", THEN click the YES button.

NOTE

The ECC and TSC have the ability to change equipment status and add comments. The OSC has the ability to add comments. All other centers can view status. All changes being made by the TSC or OSC should be coordinated with the ECC Engineering Line Communicator.

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<b>DIRECTION OF EMERGENCY RESPONSE/ EMERGENCY CONTROL CENTER (ECC)</b>	31

EXHIBIT 10

ECC COMMUNICATOR

Plant Status Update Line

INITIALS

- \_\_\_\_\_ 1.0     Activate the fax machine and select A/B switch for desired line.
- 1.1     Line "A" is the primary which is commercial line  
                    i.e. 609-971-XXXX.
- 1.2     Line "B" is the backup which is the EP Circuit.
- \_\_\_\_\_ 2.0     Set time and date of fax by PCS clock.
- \_\_\_\_\_ 3.0     Send test transmission to TSC, OSC, and EOF (when activated).  
              If messages are waiting, the first may be used as the test  
              transmission.
- \_\_\_\_\_ 4.0     Number and log each fax transmission using Exhibit 12.

NOTE

Number transmissions sequentially regardless of the type of transmission. Use location designator as part of sequential number, i.e. ECC-001, ECC-002, etc.

- 5.0     The priority for routine transmissions are:
- Critical Plant Parameters to TSC (every 15 minutes at a minimum) if the Plant Computer System is inoperable.
  - Equipment Diagrams to TSC (every 30 minutes or as changes occur) if equipment status display system is inoperable.
  - Station Status checklist to BNE at least every 30 minutes until they are activated at EOF or as directed by the Comm. Coordinator. (Must change Fax to commercial line "A".)
  - Other transmissions, Emergency Message Forms with appropriate information (Exhibit 14).

NOTE

The ECC Communications Coordinator may pre-empt these priorities.

- 6.0     Receive, log and distribute messages sent via fax to ECC.

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EXHIBIT 11

Page of

EMERGENCY SHIFT SCHEDULE

DATE:

GROUP (eg. Admin.):

TIME:	SHIFT 1	SHIFT 2	SHIFT 3
BEGIN			
END			

	NAME	NAME	NAME
POSITION #			
P HOME #			
H WORK #			
O BEEPER #			
N			
E			
POSITION #			
P HOME #			
H WORK #			
O BEEPER #			
N			
E			
POSITION #			
P HOME #			
H WORK #			
O BEEPER #			
N			
E			
POSITION #			
P HOME #			
H WORK #			
O BEEPER #			
N			
E			







# EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE

Number

**EPIP-OC-.02**

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**DIRECTION OF EMERGENCY RESPONSE/  
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EXHIBIT 13

### EXAMPLE

# OYSTER CREEK GENERATING STATION EMERGENCY COMMUNICATIONS

## Communicator Log

Location: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Time:

Remarks :

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery. The edges of the paper are slightly irregular, suggesting it might be a scan of a physical document. There is no handwriting or other markings on the page.



**AmerGen**

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**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
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EXHIBIT 15

## MEDIA ACCESS BRIEFING FORM

I have been briefed about the risks, both industrial and radiological, to which I may be exposed while at this nuclear facility. I understand there may be some risk and willingly accept it for the purpose of visiting the plant site.

Signature \_\_\_\_\_

Date \_\_\_\_\_

News Organization \_\_\_\_\_

Communications Rep. \_\_\_\_\_

Title

DIRECTION OF EMERGENCY RESPONSE/  
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EXHIBIT 16

PAR NOTIFICATION FORM

SAMPLE

NOTE

Personally provide the PAR to the Senior State Official at the State EOC, within 15 minutes of a General Emergency. Verify that you are speaking to the Senior Official at the State EOC when providing the PAR. If the PAR is provided prior to State EOC activation, the State has agreed that the State Dispatcher will be considered the "Senior State Official".

- ☐ THIS IS A DRILL; THIS IS A DRILL or
- ☐ THIS IS **NOT** A DRILL; THIS IS **NOT** A DRILL.

INITIAL PAR

- ☐ We recommend evacuation for the general population within 2 miles of the plant and Compass Sectors \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ out to a distance of \_\_\_\_\_ miles. We also recommend Sheltering, for the general population within all other areas of the EPZ.
- ☐ We recommend Sheltering for the general population within the 10 mile EPZ.

EXPANSION OF PAR

- ☐ We recommend evacuation for the general population within \_\_\_\_\_ miles of the plant and Compass Sectors \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ out to a distance of \_\_\_\_\_ miles. We also recommend sheltering for the general population within all other areas of the EPZ.
- ☐ We recommend evacuation for the general population within \_\_\_\_\_ miles of the plant.

Signature \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

Senior State Official Notified \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_

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**OYSTER CREEK  
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**EPIP-OC-.06**

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.

**27**

Applicability/Scope

Applies to work at Oyster Creek

Usage Level

**2**

Responsible Department

Emergency Preparedness

Effective Date

**9/10/02**Prior Revision 26 incorporated the following Temporary Changes:N/AThis Revision 27 incorporates the following Temporary Changes:N/AList of Pages (all pages rev'd to Rev. 27)

1.0 to 5.0  
E1-1 TO E1-2  
E2-1  
E3-1  
E4-1  
E5-1  
E6-1  
E7-1  
E8-1 to E8-5  
E9-1

**NON-CONTROLLED**  
This Document Will Not  
Be Kept Up To Date  
ECC Control Sys

	Signature	Concurring Organization Element	Date
Originator	<i>James E. Bonden</i>	Emergency Planner	9/9/02
Approved By	<i>R. Mark Moore</i>	Radiation Protection Manager	9/9/02

Title  
**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.  
**27**

PROCEDURE HISTORY

REVISION	DATE	ORIGINATOR	SUMMARY OF CHANGE
8	6/94	A. Smith	Updated NRC telephone numbers and add document page.
9	07/94	A. Smith	Update Inpo telephone numbers.
10		A. Smith	Update NRC HPN telephone numbers.
11		A. Smith	Update phone numbers.
12	06/95	A. Smith	Update and remove phone numbers. Add Coordinator to Site Services title.
13	08/95	A. Smith	Update Inpo Telephone and Fax numbers.
14	08/95	A. Smith	Update BNE telephone numbers.
15	11/95	A. Smith	Update Ocean County Telephone Number.
16	04/96	A. Smith	Update Mgr. Plant Ops, Admin. Support EOF, ESD @ EOF, Nat'l. Weather, DOE, RMC and JIC OEM phone numbers.
17	03/97	A. Smith	Update GSS title to SSM, delete AEOF phone numbers, correct environmental affairs title, add OEM phone number for voice contact in addition to the existing fax phone number.
18	10/97	A. Smith	Update Area Codes. Also delete reference to EPIP-oc-.04 and the documentation of phone call for additional aviation support.
19	05/98	A. Smith	Add an exhibit for additional assistance request.
20	10/98	A. Smith	Add additional page to Exhibit 8A to provide generic instructions for requesting additional assistance.
21	08/99	A. Smith	Delete 732-244-4746 RAA Phone Number.
22	DOS	A. Smith	Change references from GPU to OCNCS.
23	11/00	A. Smith	Update phone numbers as a result of quarterly verification; non-substantive change.
24	12/00	A. Smith	Change NCR phone numbers to reflect new PBX lines which replace FTS-2000 lines.
25	09/01	A. Smith	Add phone number for Nuclear Duty Officer. Update S. Levy number.
26	11/01	A. Smith	Update phone numbers.

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27	08/02	J. Bontempo	Correct GSS/SSM to Site Shift Manager Correct phone numbers: EP 4154 Env. 4021 Mainframe Com Support 877/939-3566 Added note North Gate phone forward to 971-4950 when North Gate closed. Correct Region 1 NRC phone number. Correct S Levy Inc. phone numbers.

Title

ADDITIONAL ASSISTANCE AND NOTIFICATION

Revision No.

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1.0 PURPOSE

To provide the Emergency Response Organization (ERO) personnel with a phone number directory of additional emergency response assistance from organizations and agencies.

2.0 APPLICABILITY/SCOPE

This document applies to all ERO personnel.

3.0 DEFINITIONS

None

4.0 RESPONSIBILITIES

4.1 Any ERO member may use this directory.

5.0 PROCEDURE

5.1 When additional assistance is required, refer to Section 7.0 for appropriate exhibit.

5.2 Refer to INPO Emergency Resources Manual for additional information concerning outside organizations and their contacts.

5.3 If assistance personnel are going to respond to the site, provide Group Leader - Administration with pertinent information including name, company, and social security number.

5.4 To obtain Emergency Aviation Support complete Exhibit 8. For other types of support complete Exhibit 8A.

5.4.1 The following personnel are authorized to request emergency aviation or other support as determined by the Emergency Director (senior person on shift) or Emergency Support Director.

- a. Site Shift Manager Oyster Creek
- b. Emergency Preparedness Manager or Designee
- c. Group Leader Administrative Support
- d. ED/ESD Assistants



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**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**27****6.0** REFERENCES

6.1 INPO Emergency Resources Manual.

**7.0** EXHIBITS

7.1 Exhibit 1 - Oyster Creek Onsite Emergency Response Directory.

7.2 Exhibit 2 - Offsite Emergency Response Directory.

7.3 Exhibit 3 - Emergency Telephone Numbers for NRC Notification.

7.4 Exhibit 4 - Federal Agencies

7.5 Exhibit 5 - State Agencies

7.6 Exhibit 6 - County/Local Agencies

7.7 Exhibit 7 - Support Agencies

7.8 Exhibit 8 - Emergency Aviation Support Instructions Form

7.9 Exhibit 8A - Additional Assistance Request

7.10 Exhibit 9 - Additional Assistance Responsibilities

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**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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EXHIBIT 1

OYSTER CREEK EMERGENCY RESPONSE DIRECTORY

Work Phone No.

Dosimetry

TLD Room Clerk  
Supervisor

(609)-971-4604  
(609)-971-4467  
(609)-971-4955

Emergency Assembly Areas

OCAB  
OCAB  
Warehouse

(609)-971-5276  
(609)-971-5277  
(609)-971-4058

Emergency Control Center (ECC) (Control Room)

Outside Lines  
Control Room

(609)-971-0335\*  
(609)-971-0220\*  
(609)-971-4959  
(609)-971-4962  
(609)-971-4666  
(609)-971-4003  
(609)-971-4667  
(609)-971-4656  
(609)-971-4763

Control Room (PC Plant Status)  
Site Shift Mgr.  
Group Operating Supervisor  
Computer Room

Emergency Preparedness Department

(609)-971-4154  
(609)-971-2237

Environmental Affairs Dept.

(609)-971-4021

FORKED RIVER ASSEMBLY AREA GET Instructors Office

(609)-971-1126\*

Instrument Shop

Shop area

(609)-971-5099

MAINFRAME COMPUTER SUPPORT

(877)-939-3566

Medical Department

Nurse

(609)-971-4182

NRC Resident Inspector's Office

(609)-971-4978

Nuclear Duty Office

Pager (610)-912-2938  
Office (610)-765-5441

\* Direct dial. All others: Dial 9, then number.

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**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**27**EXHIBIT 1  
(Continued)OYSTER CREEK EMERGENCY RESPONSE DIRECTORYWork Phone No.Operations

Plant Manager Operations

(609)-971-4415

Operations Support Center (OSC)

In Plant Ext.

(609)-971-4880

Outside Line

(609)-971-4240

Radiological Controls

(609)-971-0976\*

Rad Con Technicians

(609)-971-2568

Rad Con Field Ops

(609)-971-4660

(609)-971-4600

Security Department

Security Shift Supervisor

(609)-971-4954

Central Alarm Station (CAS)

(609)-971-4957

Processing Center

(609)-971-4272

Main Gate

(609)-971-4950

North Gate

(609)-971-4608\*\*

Secondary Alarm Station (SAS)

(609)-971-4951

Technical Support Center (TSC)

Outside Lines

(609)-971-4158

NRC Conference Room in TSC

(609)-971-4161

Outside Lines

(609)-971-0961\*

Rad Engineering

(609)-971-1379\*

(609)-971-4159

(609)-971-4160

(609)-971-1423\*

(609)-971-1433\*

(609)-971-4156

Transportation Department

(609)-971-4128

Whole Body Count

(609)-971-4280

\*Direct dial. All others: Dial 9, then number.

\*\* NOTE 1: North Gate phone forwarded to (609)971-4950 when North Gate is closed.

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EXHIBIT 2

OFFSITE EMERGENCY RESPONSE DIRECTORY

<u>EOF, Operations Facility, Lakewood, New Jersey</u>	<u>Phone No.</u>
Admin. Support	(732)-901-2313 (732)-905-6574
Bureau of Nuclear Engineering (BNE)	(732)-370-8073 (732)-370-8083 - Fax
Emergency Support Director's Office	(732)-905-9007 (732)-367-8812 (732)-367-8814
Environmental Assessment Command Center (EACC)	(732)-367-8805 (732)-370-8990
Public Information	(732)-367-7130 (732)-367-8921
Radiological/Chemistry Support Security Technical Support	(732)-370-7310 (732)-370-1211 (732)-367-8771
<u>Joint Information Center - JIC</u>	(732)-901-2305 (732)-901-2333 (732)-901-2332
OEM at the JIC	(732)-364-2897 - Fax (732)-370-7332
<u>Remote Assembly Area (RAA)</u>	(732)-244-4714 (732)-244-4742 (732)-244-4754

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EXHIBIT 3

EMERGENCY TELEPHONE NUMBERS FOR NRC NOTIFICATION

	<u>TELEPHONE NUMBER</u>
NRC Operations Center (via White Flint North, Rockville)	9-1-800-532-3469
NRC Operations Center Back Up Number	9-1-800-449-3694
NRC Headquarters Operator	9-1-800-532-3469
Oyster Creek Resident Inspector's Office	(609)-971-4978

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EXHIBIT 4

OFFSITE EMERGENCY RESPONSE DIRECTORY

FEDERAL AGENCIES

NRC		
Rockville, Maryland	Primary	9-1-800-532-3469
	Back Up	9-1-800-449-3694
	Telecopier	(301)-816-5151
Region I		(800)-532-3469
		(610)-337-5128
	after 1700 hours	9-1-800-532-3469
NRC/HPN Headquarters	Main	9-1-800-532-3469
	Back Up	9-1-800-449-3694

NOTE

To establish communications with NRC Health Physics Network you must dial the main or backup numbers for NRC Headquarters. Inform the NRC OPS Officer that you are establishing HPN communications and the officer will connect you.

Coast Guard (Water Pollution Response)	(718)-354-4121
	(718)-354-4137
	(718)-354-4136
	(718)-354-4138
Department of the Army, 60th Ord.	(609)-562-4250
Detachment	(609)-562-6156
Department of Energy (DOE) (24 Hours)	(631)-344-2200
FBI (Federal Bureau of Investigation, Newark, NJ)	(973)-622-5613
National Weather Service (Recording)	(609)-261-6600

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EXHIBIT 5

OFFSITE EMERGENCY RESPONSE DIRECTORY

STATE AGENCIES

Major/Director OEM	(609)-538-6050
EOC Representative	(609)-538-6008
Bureau of Nuclear Engineering (BNE)	(609)-984-7700
24 Hour Hotline (Trenton Dispatch)	(609)-292-7172
BNE Field Command Trailers	(732)-341-4685 (732)-349-8349 (732)-349-6814 (732)-349-6721 (732)-349-6923 (Fax)
Department of Environmental Protection Assistant Director - Rad Protection	(609)-984-5636
Department of Health	(609)-984-1863 (609)-292-6789
<u>NJ Marine Police</u>	
NJ State Police, Marine Bureau	(732)-899-5052
Atlantic City, State Police Marine Division	(609)-296-5807 (609)-296-5808
Marine Law Enforcement Bureau (Point Pleasant)	(732)-899-5050 (732)-899-5051 (732)-899-5052
OEM - Office of Emergency Management, NJ	(609)-882-4201

NOTE

For OEM notifications after 4 p.m., weekends and  
Holidays ask for State EOC.

State Police, New Jersey

(609)-296-3131

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**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**27**EXHIBIT 6OFFSITE EMERGENCY RESPONSE DIRECTORYCOUNTY/LOCAL AGENCIES

Civil Defense, Ocean County Radiological Office	(732)-341-3451
Emergency Radio and Police, Ocean County Teletype Network 24 Hrs.	(732)-349-9100
OEM, Ocean County	(732)-341-3451
Civil Defense and Disaster Control, Lacey Township	(609)-693-6637
Civil Defense and Disaster Control, Ocean Township	(609)-693-4006
Fire Department, Lacey	(609)-693-6636
Hospitals:	
Community Medical Center	(732)-240-8000
Main Switchboard	
Southern Ocean County Hospital	(609)-597-6011
Main Switchboard	
Lacey Police	(609)-693-6636
Rescue Squad, Lacey	(609)-693-6636
Lakewood Police	(732)-363-0200



EXHIBIT 7OFFSITE EMERGENCY RESPONSE DIRECTORYSUPPORT AGENCIES

American Nuclear Insurers (ANI)	(860)-561-3433
*Babcock & Wilcox NNFD Research Laboratory	(804)-522-5833
*General Electric Company	(408)-971-1038
Institute of Nuclear Power Operations (INPO)	(800)-321-0614
(For assistance for professional and technical	(770)-644-8549 (Fax)
expertise, refer to INPO Emergency Resources	(770)-644-8567 (Fax)
Manual located in the ECC and EOF).	
Radiation Management Consultants (RMC) (24hr)	(215)-243-2990
(8 to 5)	(215)-824-1300
*Horsham Valley Airways, Inc.	(215)-674-2100 working hours
	(215)-674-2101 after hours
	(215)-578-6466 pager
*S. Levy Incorporated (8 to 5)	(408)-370-6484
IF no answer, call	(408)-377-4870

\*If activated contact Contracts Department to arrange for payment.

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**27**EXHIBIT 8EMERGENCY AVIATION SUPPORT INSTRUCTION FORM

- \_\_\_ 1.1 Request for Aviation Support Authorized by:

Title: \_\_\_\_\_

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

- \_\_\_ 1.2 Contact Horsham Valley Airways, Inc.

(215)-674-2100 working hours

(215)-574-2101 after hours

(215)-578-6466 pager

Identify yourself by title and name. Record the date and time and name of the person contacted:

Name: \_\_\_\_\_

Time and Date: \_\_\_\_\_ / \_\_\_\_\_

- \_\_\_ 1.3 Describe the extent of the emergency aviation support needed.

- \_\_\_ 1.4 Provide the Aviation Support Contractor with the location of the pick up and destination.

- 1.4.1 Record the location and cargo to be picked up, as well as the estimated time of arrival at the pick up site.

\_\_\_\_\_  
(Location)\_\_\_\_\_  
(Cargo)\_\_\_\_\_  
(Estimated Time of Arrival)

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.

**27**EXHIBIT 8

(Continued)

EMERGENCY AVIATION SUPPORT INSTRUCTION FORM

- 1.4.2 Record the destination of the cargo from Step 1.4.1 and estimated time of arrival.

---

(Cargo)

---

(Estimated Time of Arrival)

- \_\_\_ 1.5 Arrangements have been made to deliver the cargo to the pick up site by the estimated arrival time.
- \_\_\_ 1.6 Arrangements have been made to pick up the cargo at the destination by the estimated arrival time.
- \_\_\_ 1.7 Upon completion of emergency aviation requirements, notify the aviation services contractor to terminate services. Record the name of the individual and the time of the notification.

---

(Name)

---

Date/Time

**AmerGen.**

An Exelon/British Energy Company

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**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**27****EXHIBIT 8**  
(Continued)

## Oyster Creek Aviation Facility Information Form

1. Airports
  - a. Miller Air Park located west of Toms River on Pinewald-Keswick Road.
2. Heliports
  - a. Onsite heliport is designated as FAA Site Number H-205 and is equipped with a wind sock but no lights.

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.

**27**EXHIBIT 8A**GENERIC INSTRUCTIONS FOR REQUESTING  
ADDITIONAL ASSISTANCE**

When requesting additional assistance from outside agencies or other vendors, contractors or utilities the following should be considered as appropriate or if applicable:

1. Provide the requested organization with information pertaining to site admission procedures. i.e. contact the access center for processing personnel to the site and coordinate between OCNGS and the organization.
2. Provide the OCNGS contact name and telephone number of who will coordinate the arrival of requested organization.
3. Identify potential airports for chartered aircraft arrival as requested from the organization.
4. Assist the requested organization with transportation and escort as applicable to the event. i.e. work with the New Jersey State Police to minimize delays for the organization, request clearances and escorts as appropriate.

NOTE

When requesting services from GE Nuclear Energy, BWR Nuclear Emergency support program, it is important not to activate the program during DRILLS. For drills the GE security officer is now authorized to confirm contact with GE Nuclear without requiring a return phone call from the GE Nuclear Energy Duty Manager.

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EXHIBIT 8A  
(continued)

Additional Assistance Request

"This is not a drill - I repeat, This is not a drill"

- or -

"This is a drill - This is a drill"

NOTE

One major source for obtaining assistance is the INPO Emergency Resources Manual which is located in the GSS/SMM office, ESD's office and the TSC.

1. This is \_\_\_\_\_ At Oyster Creek Nuclear Generating  
Name/Title

Station we have declared a \_\_\_\_\_ at \_\_\_\_\_ hours  
Type of Emergency Time

Oyster Creek request your assistance as follows:

Identify the problem and give a brief description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Identify necessary personnel/equipment needed and request assistance \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Identify telephone number that can be used by the assisting organization on which  
to return follow up information as appropriate \_\_\_\_\_  
Area Code Telephone Number

List the company or agency called for assistance: \_\_\_\_\_  
\_\_\_\_\_

Follow up with the requested organization as appropriate to ensure an expedient  
arrival, refer to the generic instructions in this exhibit.

EXHIBIT 9ADDITIONAL ASSISTANCE RESPONSIBILITIESExpertise NeededContactOperations  
Management

ESD Assistant - EOF

Engineering  
Radiological Protection  
Environmental ControlsTSC Coordinator  
R.A.C.  
Environmental Assessment  
CoordinatorMaintenance  
SecurityOSC Coordinator  
Security Shift Commander

Safety

OSC Coordinator

Administrative

Gr. Ldr. Admin. - EOF

Communications

OSC Coordinator

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**ENVIRONMENTAL ASSESSMENT COMMAND CENTER**

Revision No.

**12**

Applicability/Scope

Applies to work at Oyster Creek

Responsible Office

Emergency Preparedness

Effective Date

*9/16/02*

Prior Revision 11 incorporated the following Temporary Changes:

N/A

This Revision 12 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 12)

1.0 to 4.0  
E1-1 TO E1-5  
E2-1 TO E2-11  
E3-1 TO E3-2  
E4-1

**NON-CONTROLLED  
THIS DOCUMENT WILL NOT  
BE KEPT UP TO DATE  
IRMC OYSTER CREEK**

	Signature	Concurring Organization Element	Date
Originator	<i>James E. Bondemfo</i>	Emergency Planner	<i>09/13/2002</i>
Approved By	<i>Dr. Mark Moore</i>	Radiation Protection Manager	<i>9/13/02</i>



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**PROCEDURE HISTORY**

REV.	DATE	ORIGINATOR	SUMMARY OF CHANGE
4	07/94	A. Smith	<p>Exhibit 1 Standardized title of EOF Status board to EOF Status Board</p> <p>Exhibit 2, Step 7.0 Added wording "Using the RAC Program - Field Iodine," to beginning of step.</p> <p>Exhibit 2C Delete-Acquisition of Meteorological Data without telephone use</p> <p>Exhibit 2E step 4.0 Corrected typo "LST" to "EST" step 5.0 added "(2 to 3°F in 15 minutes) to provide guidance to meaning of "Is there a marked decrease"</p> <p>Exhibit 3B Delete Qtr. from Remaining Qtr. Dose, 3rd line below title Corrected units on column 4 from mRem to mRem/hr (Dose rate) Corrected units on column 5 from mR to mR/hr (Dose rate)</p> <p>Exhibit 4 Corrected &lt;1E&gt;T to Temp (T°) in MET DATA section</p>
5	09/94	A. Smith	Delete Parsippany Field Monitoring Team
6	12/94	A. Smith	Modify Exhibit 1, Exhibit 2, Exhibit 2A, Exhibit 3 to remove sign off of repetitive actions.
7	12/95	J. Bontempo	Provide guidance that cell phones are primary means of communication and radio is backup
8	07/96	J. Bontempo	Update Natl. weather service and Lakehurst Naval Air Station phone number.
9	10/96	P. Schwartz	Delete reference to Pinelands Sea Breeze site as a supplemental source of meteorological data. DELETE ACTION TO PERFORM COMPUTER PAR FROM EXH 1.
10	09/97	A. Smith	To incorporate recent changes on the duty roster that eliminated the Environmental Communicator. The duties are combined into the EAC and MDAC checklists respectively.
11	DOS	A. Smith	Change references from GPU to OCNGS.
12	08/02	J. Bontempo	Exh 2B Added phone number & website for Mt. Holly NWSFO

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**12**

1.0 PURPOSE

1.1 This procedure describes the activation and operation of the Environmental Assessment Command Center (EACC).

2.0 APPLICABILITY/SCOPE

2.1 This procedure applies to EACC personnel during an Alert, Site Area Emergency, General Emergency, or when EACC activation is required by the Emergency Director.

3.0 DEFINITIONS

3.1 NONE

4.0 RESPONSIBILITIES

4.1 The Environmental Assessment Coordinator (EAC) will complete the appropriate EAC Checklists.

4.2 The Met Dose Assessment Coordinator (MDAC) will complete the appropriate MDAC Checklists.

5.0 PROCEDURE

5.1 Environmental Assessment Command Center (EACC) personnel will report to the EACC when they are notified of the activation of the Emergency Support Organization (ESO) and perform the responsibilities identified in their assigned exhibits to this procedure and as requested by their emergency supervisors.

6.0 REFERENCES

6.1 2000-PLN-1300.01, "OCNGS Emergency Plan".

6.2 Oyster Creek Emergency Implementing Procedures.

6.3 6630-ADM-4010.03, "Oyster Creek Emergency Dose Calculation Manual".

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7.0 EXHIBITS

- 7.1 Exhibit 1, EACC Activation Checklist
- 7.2 Exhibit 1A, EAC Checklist
- 7.3 Exhibit 1B, EAC/RAC Turnover Checklist
- 7.4 Exhibit 2, MDAC Checklist
- 7.5 Exhibit 2B, Alternate Sources of Meteorological Data
- 7.6 Exhibit 2C, Acquisition of Meteorological Tower Data without Telephone Use
- 7.7 Exhibit 2D, Determination of Stability Class From Alternate Sources of Meteorology
- 7.8 Exhibit 2E, Determination of Possible Sea Breeze Event at Oyster Creek
- 7.9 Exhibit 2F, National Weather Service Data Acquisition
- 7.10 Exhibit 2G, EACC Meteorological Worksheet
- 7.11 Exhibit 3, Environmental Communications Data Log Sheet
- 7.12 Exhibit 3A, Radio Communications Log Sheet
- 7.13 Exhibit 4, Source Term and Dose Assessment

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EXHIBIT 1

## EACC Activation Checklist

Initials

- \_\_\_\_\_ 1.0 MDAC Present and MDAC Initial Activation Checklist  
(Exhibit 2) completed.

NOTE

The EACC may be activated without the MDAC present if the EAC determines the EACC is functional.

- \_\_\_\_\_ 2.0 Communications established with the RAC by the MDAC or EAC.
- \_\_\_\_\_ 3.0 EAC-RAC Turnover Checklist (Exhibit 1B) completed.
- \_\_\_\_\_ 4.0 EACC staff briefed on current conditions and individual responsibilities.
- \_\_\_\_\_ 5.0 Responsibility assumed for off-site dose projections and Field Monitoring Teams.
- \_\_\_\_\_ 6.0 Obtain a minimum of four copies of Exhibits 3, and 4.
- \_\_\_\_\_ 7.0 Establish communications with the FMTs via telephone at EACC and cellular phones at FMT vehicles. Radio is used for backup if phones fail.
- \_\_\_\_\_ 8.0 Obtain the FMT's names, social security numbers, and remaining dose from the FMT members.
- \_\_\_\_\_ 9.0 Get an estimated time of departure for the Field Monitoring Teams.
- \_\_\_\_\_ 10.0 If possible, preposition the Field Monitoring Teams in the down wind direction. One team should be kept near the plant and the other positioned past the predicted plume touchdown point.

EAC Signature \_\_\_\_\_ Time

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**EXHIBIT 1A**

**EAC Checklist**

Initials

- |       |      |  |
|-------|------|--|
| _____ | 1.0  | Establish an EAC Log.  |
| _____ | 2.0  | Complete the EACC Activation Checklist (Exhibit 1A) and declare the EACC operational.  |
| _____ | 3.0  | Inform the Group Leader R&EC that the EACC is operational.   |
| _____ | 4.0  | If there is no release in progress, pre-position the Field Monitoring Teams downwind, preferably with one team close to the site and the other past the predicted plume touchdown position.  |
|       | 5.0  | Review the Oyster Creek Emergency Dose Calculation Manual, 6630-ADM-4010.03, as time permits.  |
|       | 6.0  | With the aid of the MDAC, be prepared to brief the Group Leader R&EC and the ESD on meteorological conditions, including possible sea breeze conditions.   |
|       | 7.0  | If a release is in progress, use the Field Monitoring Teams to verify the predicted plume position and dose rates. Fixed monitoring points may be used, but emphasis should be placed on plume search techniques. Remember to keep team exposures ALARA. |
|       | 8.0  | Evaluate the need for additional FMT's. If necessary, additional team members may be obtained from off-duty duty roster members, or TMI.   |
|       | 9.0  | Review plant parameters from the Plant Computer System and assess potential releases. Perform contingency calculations if release data is not available or a release appears imminent.   |
|       | 10.0 | Utilize Exhibit 4 to collect data for dose projections if the automatic data link fails and direct the MDAC to perform the dose projection.  |

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EXHIBIT 1A (continued)

EAC Checklist

Initials

- 11.0 The EAC may direct FMT's to obtain biota samples. These generally should be taken only after the plume has passed.
- \_\_\_\_\_ 12.0 Review dose projections performed by the MDAC. Use the hand held remote to transfer the dose projection to the EOF status board if appropriate. Generally contingency calculations should not be posted.
- \_\_\_\_\_ 13.0 Review all relevant dose projections and FMT data with the Group Leader R&EC.
- \_\_\_\_\_ 14.0 When the New Jersey Bureau of Nuclear Engineering arrives at the EOF, coordinate with the BNE team leader to supply the BNE with the information they need.
- \_\_\_\_\_ 15.0 Perform assessment of environmental impact of any (potential) release, continue assessment activities as needed to define scope of the release and provide input to revising the protection action recommendation.

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EXHIBIT 1B  
EAC/RAC TURNOVER CHECKLIST

1. Emergency Classification \_\_\_\_\_
2. Plant Conditions \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Time of Plant Shutdown \_\_\_\_\_
4. Time of release (if any) \_\_\_\_\_
5. Release type \_\_\_\_\_
6. Flow Rate Information \_\_\_\_\_
7. Current RAGEMS Readings  
Stack Low Range \_\_\_\_\_  
Stack High Range \_\_\_\_\_  
Turbine Bldg. Low Range \_\_\_\_\_  
Turbine Bldg. High Range \_\_\_\_\_

NOTE

Items 6 and 7 are not needed if the RAC/PCS or RAC/RAGEMS data link is operational.

8. Most recent primary coolant DEI \_\_\_\_\_ uCi/gm
9. On-site dose rates \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. On-site contamination \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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EXHIBIT 1B  
EAC/RAC TURNOVER CHECKLIST

11. Most recent dose projection (if any)

---

---

---

12. Offsite dose rates (if any)

---

---

---

13. Estimated release duration \_\_\_\_\_ hrs.

14. Other information

---

---

---

15. Time EACC assumes responsibility for offsite field teams \_\_\_\_\_

16. Time EACC assumes responsibility for dose projections \_\_\_\_\_

EACC Signature \_\_\_\_\_



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EXHIBIT 2

MDAC CHECKLIST

Initials

- |       |     |  |
|-------|-----|--|
| _____ | 1.0 | RAC computer boots up. Contact made with Met Tower and/or PCS or RAGEMS computer.  |
| _____ | 2.0 | RAC printer working and full of paper.   |
| _____ | 3.0 | Obtain Met data.   |
| _____ | 4.0 | Assess the possibility of a sea breeze condition occurring using exhibit 2E.   |
| _____ | 5.0 | Access National Weather Service forecast information as described in Exhibit 2F.   |
| _____ | 6.0 | Run an initial dose projection so that met conditions can be displayed on the EOF status board.                              |
| _____ | 7.0 | Provide this completed checklist to the EAC.   |
| _____ | 8.0 | If Met Tower data are not available, obtain data using Exhibits 2B or 2C. Stability class may be estimated using Exhibit 2D. |
| _____ | 9.0 | Be prepared to brief the EAC, Group Leader R&EC, and the ESD on meteorological conditions.                                   |

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**EXHIBIT 2  
MDAC CHECKLIST**

Initials

- \_\_\_\_\_ 10.0 Perform contingency calculations based on analysis of potential releases when directed by the EAC.
- \_\_\_\_\_ 11.0 Perform dose projections as directed by the EAC or Group Leader R&EC. One copy of the output is to be kept by the MDAC for records.
- \_\_\_\_\_ 12.0 Keep the EAC informed of current meteorological conditions. This may be done using Exhibit 2G, a status board, or verbally as the EAC wishes.
- \_\_\_\_\_ 13.0 Advise the EAC on Field Monitoring Team placement based on meteorological conditions.
- \_\_\_\_\_ 14.0 Review the Oyster Creek Emergency Dose Calculation Manual 6630-ADM-4010.03 as time permits.
- \_\_\_\_\_ 15.0 Brief summaries of all radio communications should be recorded on Exhibit 3A.
- \_\_\_\_\_ 16.0 Air sample data should be transcribed to the bottom of Exhibit 4 and given to the MDAC.
- \_\_\_\_\_ 17.0 If possible, keep track of the FMT's positions on the 10 mile EPZ map.
- \_\_\_\_\_ 18.0 Periodically, ask the FMT members for their SRD readings and keep track of their dose. If a team member approaches their remaining dose limit, attempt to obtain a replacement.
- \_\_\_\_\_ 19.0 Using the RAC Program-Field Iodine, calculate thyroid dose based on the information in Exhibit 4. If high thyroid dose rates are being encountered in the field, attempt to track thyroid exposure. Notify the EAC if a FMT's exposure approaches 5 REM.
- \_\_\_\_\_ 20.0 Based on direction from the EAC and meteorological conditions, direct the Field Monitoring Teams to obtain open and closed window dose rates and air samples. Teams should be used to find the plumes leading edge, touchdown point, boundaries, centerline, and centerline survey and air sample data. Fixed locations may be used, but plume search techniques should be emphasized. Survey and air sample data will be recorded on Exhibit 3. Teams should not be left in the plume any longer than is necessary. Keep exposure ALARA.

\_\_\_\_\_  
MDAC Signature

\_\_\_\_\_  
Time

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EXHIBIT 2BAlternate Sources of Meteorological Data

- 1) NATIONAL WEATHER SERVICE FORECAST OFFICE  
732 WOODLANE ROAD  
MOUNT HOLLY, NJ 08060-9615  
(609) 261-6600

Local Weather Forecast - Obtain from the recording wind direction and speed, general forecast parameters (sky conditions and precipitation) and temperatures. Forecast data available out through the 3-5 day period.

A meteorologist is on duty from 7:30 A.M. through 2:30 P.M. to obtain actual Readings required for dose assessment.

- 2) NATIONAL WEATHER SERVICE FORECAST OFFICE  
732 WOODLANE ROAD  
MOUNT HOLLY, NJ 08060-9613  
(609)261-6600  
Website Access: <http://www.erh.noaa.gov/er/phi/>

This is the general office phone number that will allow the user to speak with the staff personnel on duty. The National Weather Service is a 24-hour operation.

State the location of the weather station that one is requesting for information:

Atlantic City  
McGuire Air Force Base  
Lakehurst, NAS

- 3) UNITED STATES COAST GUARD STATION  
4TH STREET AND BAYVIEW AVENUE  
BARNEGAT LIGHT, NEW JERSEY 08006  
(609) 494-2661

Wind Speed, direction and temperature data available for site located on Long Beach Island

Proper drillsmanship should be maintained. Please state your name and the purpose of your phone call. Inform the meteorologist of person on duty that data are required in support of a drill (or real event) at the plant.

METEOROLOGICAL DATA

LOCATION (Atlantic City, Barnegat Light, etc.)

Date

Time

Wind Speed (in miles per hour)

Wind Direction (FROM)

Temperature (degrees F)

Stability Class<sup>1</sup>

<sup>1</sup> Refer to Exhibit 2D to determine stability class from sources if NWS DOES NOT provide the appropriate stability class designation.

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EXHIBIT 2C

Acquisition of Meteorological Tower Data Without Telephone Use

Initials

- \_\_\_\_\_ 1.0 Obtain 2-way radio and copies of this exhibit.
- \_\_\_\_\_ 2.0 Keys to the met shack are included with keys to the emergency vehicles.
- \_\_\_\_\_ 3.0 Confirm operability via radio check with the MDAC, EAC or their designee who will inform security of arrival to met shack.
- \_\_\_\_\_ 4.0 Await for EACC to request data. Use applicable section below for each meteorological parameter. If "A" chart recorders are inoperable at 33 and 380 feet, record pertinent data from the "B" recorders.
  - \_\_\_\_\_ 4.1 Wind Speed at 33 feet chart recorder
    - 4.1.1 Estimate from the ink trace to the nearest whole number value in miles per hour.
    - 4.1.2 Record on EPIP-OC-.31, Exhibit 2G
  - \_\_\_\_\_ 4.2 Wind Direction at 33 feet chart recorder
    - 4.2.1 Estimate from the ink trace to the nearest whole number value in degrees.
    - 4.2.2 Record on EPIP-OC-.31, Exhibit 2G
  - \_\_\_\_\_ 4.3 Wind Speed at 150 feet chart recorder, repeat Procedure 4.1 for the 150 foot chart recorder.
  - \_\_\_\_\_ 4.4 Wind Direction at 150 feet chart recorder, repeat Procedure 4.2 for the 150 foot chart recorder.
  - \_\_\_\_\_ 4.5 Wind Speed at 380 feet chart recorder, repeat Procedure 4.1 for the 380 foot chart recorder.
  - \_\_\_\_\_ 4.6 Wind Direction at 380 feet chart recorder, repeat Procedure 4.2 for the 380 foot chart recorder.

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EXHIBIT 2C (continued)

Initials

## 4.7 Multipoint Temperature Chart Recorder

4.7.1 Ambient Temperature at 33 feet

When LED on upper left-hand corner of chart recorder registers a number 1, record value where the pen is located. Use the -40 to 100°F scale and record on sheet.

4.7.2 Ambient Temperature at 150 feet

When LED in Step 4.7.1 registers a number 2, record as outlined in Step 4.7.1.

4.7.3 Ambient Temperature at 380 feet

When LED in Step 4.7.1 registers a number 3, record as outlined in Step 4.7.1.

4.7.4 Delta Temperature for 150-33 feet

When LED in Step 4.7.1 registers a number 4, record as outlined in Step 4.7.1, except use the -8 to 20°F scale.

4.7.5 Delta Temperature for 380-33 feet

When LED in Step 4.7.1 registers a number 5, record as outlined in Step 4.7.1, except use the -8 to 20°F scale.

5.0 Upon completion of Form EPIP-OC-.31, Exhibit 2G, give meteorological data to EAC or their designee.

6.0 Repeat from Step 4.0 with updated information every 15 minutes until instructed to return to the EACC.

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EXHIBIT 2D

Determination of Stability Class from Alternate Sources of Meteorology

1. SKY CONDITION

USE COLUMN

Clear

I

Scattered

II

Broken

III

Overcast

IV

2. Determine Stability Class based upon column number.

Wind Speed (miles per hour)	<u>DAY</u>		<u>NIGHT</u>		
	I	II or III	IV	I or II	III or IV
<4.4	B	B	B	F	F
4.4 - 6.6	B	B	B	D	F
6.7 - 11.0	B	B	B	D	D
11.1 - 13.2	B	B	D	D	D
>13.2	B	D	D	D	D

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EXHIBIT 2E

Determination of Possible Sea Breeze Event At Oyster Creek

- 1.0 SKY CONDITION Circle One  
Is the sky condition either clear or scattered? Yes      No
- 2.0 PREVAILING WIND DIRECTION  
Is the wind direction from 22° through 200 degrees? Yes      No
- 3.0 TIME OF YEAR  
Is the time of year between April 15 and September 30? Yes      No
- 4.0 TIME OF DAY  
Is the time of day between 0800 EST and 1800 EST? Yes      No

NOTE

If any answer to questions 1 through 4 is NO, a sea breeze event is unlikely. If the answer to all 4 questions is YES, continue with question 5. A sea breeze scenario may exist. Consult with the meteorologist or his designee for the correct air dispersion scenario to be employed with the information based on pages E2-8 and E2-9 of this attachment.

5.0 METEOROLOGICAL ANALYSIS (TEMPERATURE)

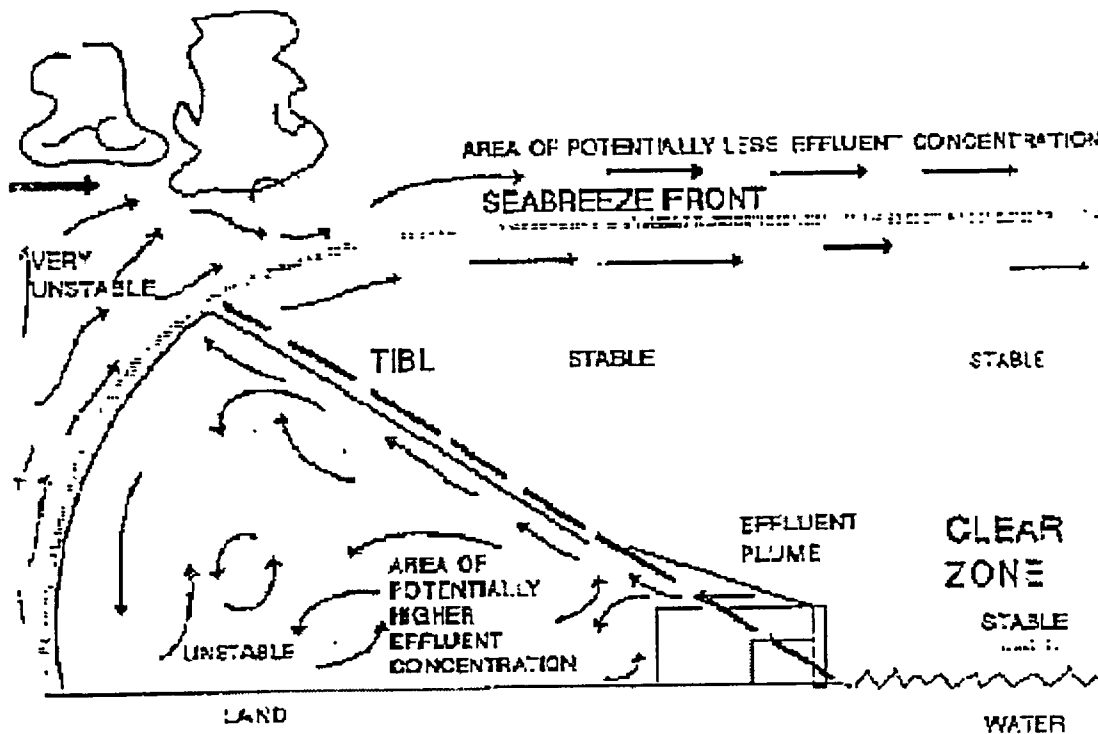
- 5.1 Is there a marked decrease (2 to 3°F in 15 minutes) in ambient temperature at any of the two (2) sites.
- 5.1.1 Barnegat Light Coast Guard Station  
5.1.2 Forked River

NOTE

Meteorological data from Barnegat Light is obtained through the office of the United States Coast Guard, by placing a phone call at (609) 494-2661 and requesting the wind speed, horizontal wind direction, and ambient temperature.

- 5.2 Is the trend of delta temperature at both levels of the Forked River Meteorological Tower towards a STABLE atmosphere (increasingly positive).
- 5.2.1 (150-33) Foot Level Delta Temperature.  
5.2.2 (380-33) Foot Level Delta Temperature.

Exhibit 2E (continued)



TOP VIEW

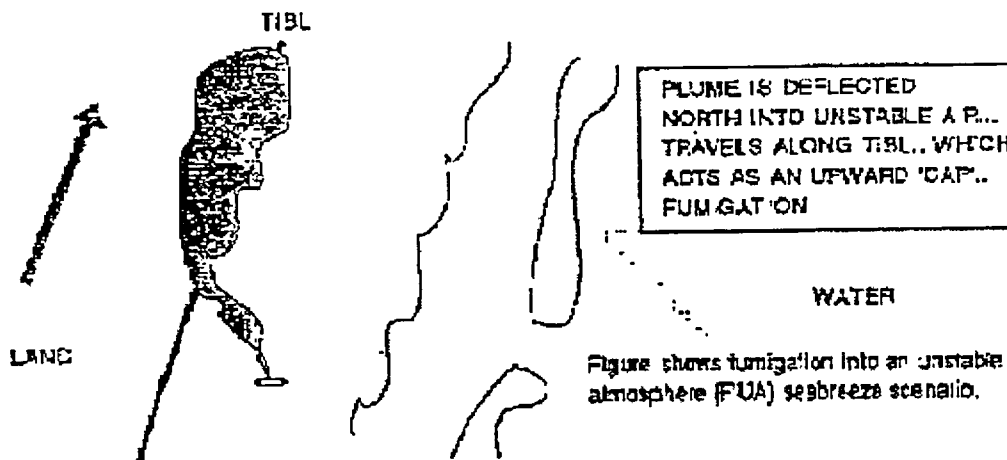




Exhibit 2E (continued)

Determination of Possible Sea Breeze Event

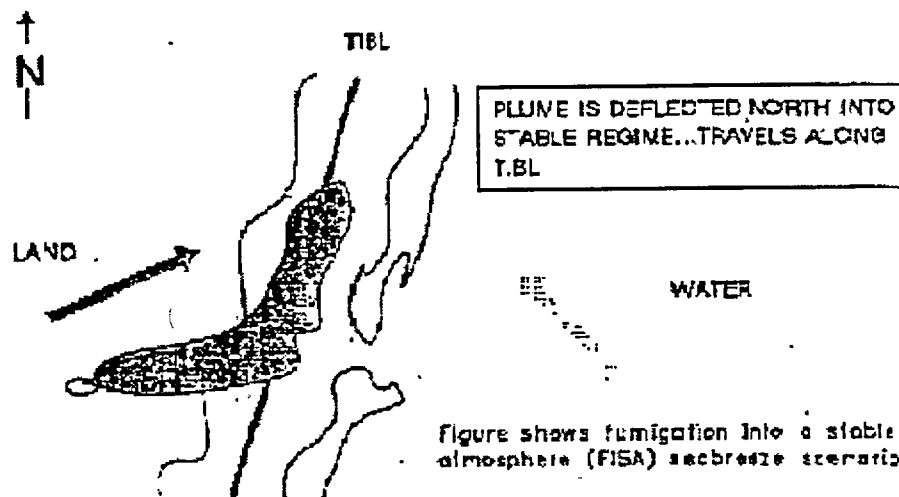
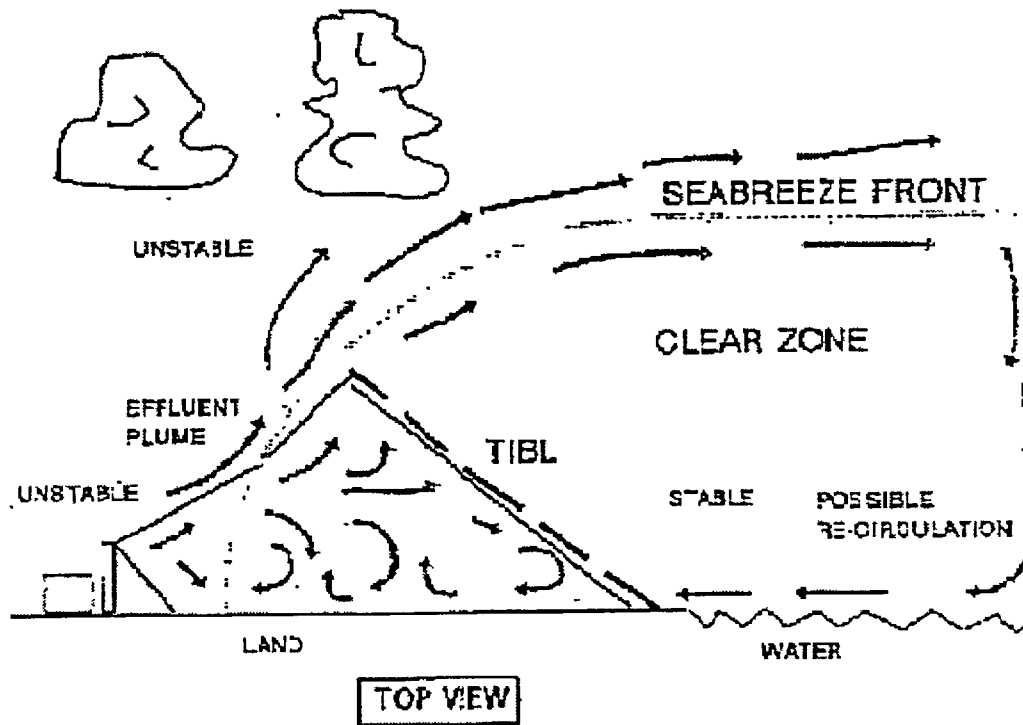


Figure shows fumigation into a stable atmosphere (FISA) seabreeze scenario.

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EXHIBIT 2F

National Weather Service Data Acquisition

- 1.0 Upon entering EACC, turn on meteorological data computer (located against the wall to the LEFT) using the main power supply on the surge protector. Ensure the CPU and monitor switches are in the "ON" position.

Initials: \_\_\_\_\_

- 2.0 After computer loads, the machine will allow an E-Plan default USERID and PASSWORD combination. In addition, the user can input a personal USERID and PASSWORD if necessary.

Initials: \_\_\_\_\_

- 3.0 The PC will load Windows for Workgroups. A group of ICONS will appear on the screen along with several "folders" that contain executable programs. One such folder is labeled, "EMERGENCY PLANNING". Double click on this icon.

- 4.0 Two such icons that will appear are:

- 4.1 Weather Text - routine ALDEN weather system program that provides the user with the latest textual weather forecast including hourly conditions as well as prognostication for the next three to five days. Weather text for the Forked River area is selected using the "F3" key in the weather text option.

Initials: \_\_\_\_\_

- 4.2 Weather Charts - execution of this icon will produce the list of graphical weather charts to assess precipitation, air dispersion and transport and long-term trends. Entering a two-digit number in the weather chart option chooses charts.

Initials: \_\_\_\_\_

- 5.0 Communicate for forecast to the R&EC Advisor or their designee and the State Bureau of Nuclear Engineering.

Initials: \_\_\_\_\_

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**ENVIRONMENTAL ASSESSMENT COMMAND CENTER**

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EXHIBIT 2G

EACC METEOROLOGICAL WORKSHEET

380-FOOT      SPD380 \_\_\_\_\_ mph      DIR380 \_\_\_\_\_ degrees (from)  
DELTA T/STABILITY CLASS \_\_\_\_\_ / \_\_\_\_\_ .

150-FOOT      SPD150 \_\_\_\_\_ mph      DIR150 \_\_\_\_\_ degrees (from)  
DELTA T/STABILITY CLASS \_\_\_\_\_ / \_\_\_\_\_ .

33-FOOT      SPD33 \_\_\_\_\_ mph      DIR33 \_\_\_\_\_ degrees (from)  
DELTA T/STABILITY CLASS \_\_\_\_\_ / \_\_\_\_\_ .

STABILITY CLASS	DELTA T (380-33FT) ELEVATED	DELTA T (150-33FT) GROUND
A	Step <-3.61	Step <-1.22
B	-3.61 to -3.24	-1.22 to -1.10
C	-3.23 to -2.86	-1.09 to -.97
D	-2.85 to -.96	-.96 to -.33
E	-.95 to 2.84	-.32 to .95
F	2.85 to 7.58	.96 to 2.55
G	>7.59	>2.56

<u>SECTOR DEGREES</u> (to)			<u>SECTOR DEGREES</u> (to)			<u>SECTOR DEGREES</u> (to)		
N	350	11	SE	125	146	W	260	281
NNE	12	34	SSE	147	169	WNW	282	304
NE	35	56	S	170	191	NW	305	326
ENE	57	79	SSW	192	214	NNW	327	349
E	80	101	SW	215	237			
ESE	102	124	WSW	238	259			

EXHIBIT 3

Page \_\_\_\_ of

Environmental Communications Data Log Sheet

Date: \_\_\_\_\_ Survey Team: \_\_\_\_\_ Team Members 1. \_\_\_\_\_ 2. \_\_\_\_\_  
SSN# \_\_\_\_\_  
Remaining Dose \_\_\_\_\_ mRem \_\_\_\_\_ mRem

			SURVEY		AIR SAMPLE				
#	Time	Location	Window Closed mRem/hr	Window Open mR/hr	Background cpm	Particulate Gross cpm	Silver Zeolite Gross cpm	Flow Rate lpm	Run Time Min
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

E3-1



## OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE

Number

EPIP-OC-.31

Title

ENVIRONMENTAL ASSESSMENT COMMAND CENTER

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### EXHIBIT 4

#### SOURCE TERM and DOSE ASSESSMENT

Time \_\_\_\_\_

#### RELEASE DATA

Main Stack \_\_\_\_\_  
Turb. Bldg. Stack \_\_\_\_\_  
Unmonitored \_\_\_\_\_  
Release Duration \_\_\_\_\_ (hrs)  
Flow Rate \_\_\_\_\_ (cfm)

#### MET DATA

380 150 33  
WS (mph) \_\_\_\_\_  
WD (° from) \_\_\_\_\_  
Temp (T°) \_\_\_\_\_

#### SOURCE TERM

Main Stack \_\_\_\_\_ Turbine Bldg. \_\_\_\_\_  
RAGEMS Low Range \_\_\_\_\_ cps RAGEMS Low Range \_\_\_\_\_ cpm  
RAGEMS High Range \_\_\_\_\_ Amps RAGEMS High Range \_\_\_\_\_ uCi/cc  
RAGEMS HIGH Range \_\_\_\_\_ uCi/cc  
Spectrum (choose 1) \_\_\_\_\_  
Coolant Spill \_\_\_\_\_ DEI \_\_\_\_\_ uCi/gm  
Clad Damage \_\_\_\_\_  
Fuel Melt \_\_\_\_\_

Isotopic Analysis Main Stack \_\_\_\_\_ Turbine Bldg. \_\_\_\_\_ Other \_\_\_\_\_  
Sample Time \_\_\_\_\_ Results

Isotope Quantity	Quantity	Isotope	Quantity	Isotope
Kr-85	_____	I-133	_____	Te-131m
Kr-85m	_____	I-134	_____	Te-132
Kr-87	_____	I-135	_____	Sb-127
Kr-88	_____	Sr-89	_____	Sb-129
Xe-131m	_____	Sr-90	_____	Cs-134
Xe-133	_____	Sr-91	_____	Cs-136
Xe-133m	_____	Y-91	_____	Cs-137
Xe-135	_____	Mo-99	_____	Ba-140
Xe-138	_____	Ru-103	_____	La-140
I-131	_____	Ru-106	_____	Ce-144
I-132	_____	Te-129m	_____	Np-239

#### FLOW RATE

Main Stack Flow Rate \_\_\_\_\_ cfm Feed Pump Room Flow Rate \_\_\_\_\_ cfm  
Fan (ON or OFF) \_\_\_\_\_ Tb Op. Floor Flow Rate \_\_\_\_\_ cfm  
Reactor Bldg. \_\_\_\_\_ Lube Oil Bay Flow Rate \_\_\_\_\_ cfm  
Turbine Bldg. \_\_\_\_\_  
Old Radwaste \_\_\_\_\_  
New Radwaste \_\_\_\_\_  
SGTS

#### FIELD READINGS

Team: \_\_\_\_\_ Location: \_\_\_\_\_  
Closed Window Dose Rate \_\_\_\_\_ mR/hr Downwind Distance \_\_\_\_\_ ft  
Open Window Dose Rate \_\_\_\_\_ mR/hr  
Air Sample Time \_\_\_\_\_  
Background \_\_\_\_\_ cpm Gross Particulate Filter \_\_\_\_\_ cpm  
Gross Silver Zeolite \_\_\_\_\_ cpm  
Sample Flow Rate \_\_\_\_\_ lpm. Sample Duration \_\_\_\_\_ minutes.

**AmerGen**

An Exelon/British Energy Company

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING DOCUMENT**

Number

OEP-ADM-1319.01

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Oyster Creek Emergency Preparedness Program

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Applicability/Scope

Applies to work at Oyster Creek

Usage Level

3

Responsible Department

Emergency Preparedness

Effective Date

9/10/02

Prior Revision 11 incorporated the  
following Temporary Changes:N/AThis Revision 12 incorporates the  
following Temporary Changes:N/AList of Pages (all pages rev'd to Rev. 12)1.0 to 20.0  
E1-1 to E1-4  
E2-1 to E2-2  
E3-1  
E4-1 to E4-2  
E5-1  
E6-1  
E7-1  
E8-1  
E9-1  
E10-1**NON-CONTROLLED**  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek

	Signature	Concurring Organization Element	Date
Originator	<i>James J. Bondemio</i>	Emergency Planner	9/9/02
Approved By	<i>R. Mark Moore</i>	Radiation Protection Manager	9/9/02

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DOCUMENT HISTORY

REV	DATE	ORIGINATOR	SUMMARY OF CHANGE
13	05/92	R. Sullivan	Revise section 5.6.3.1 to allow short term change of duty without written notification to security.
14	07/92		Telephone number changes.
15	03/93		Make Exhibits 8 & 9 agree with Emergency Planning update staffing responsibilities.
16	06/94	A. Smith	Update NRC telephone number, also Duty Roster.
17	10/94	A. Smith	Delete Parsippany Field Monitoring teams.
18	01/95	A. Smith	Clarify on shift minimum staffing requirements. Supplemental positions added to duty roster at Mgt. discretion.
19	03/95	A. Smith	Delete team & position number from teleclerk announcement & replace with nine digit SS #.
0	01/96	A. Smith	Correct titles, clarify shift security supervisor in ref. to weekly comm. test. Revises procedure number to OEP series. Also clarify drill admin. and include action item training system. Rev. bars not applicable. Major rewrite.
1	07/96	T. Blount	Update phone numbers for Plant Ops Manager and INPO.
2	10/96	T. Blount	Clarify what a Supplemental position holder can do regarding filling an Essential position. Removed some Supplemental positions. Changed Duty Roster issuance frequency to as determined by EP Mgr. or Annually whichever is sooner.
3	12/97	P. Hays	Incorporate steps for computer configuration controls.
4	05/98	P. Hays	Updates Exhibits 2 & 8 to reflect recent changes in two duty roster staffing. Adds note for respirator glasses requirement. Changes Exhibit 9A to reflect recent changes in computer controls.
5	10/98	A. Smith	Change reference to action items and use "CAP's" as tracking system. Add information technologies to the notifications on the Drill Admin. form.
6	04/99	A. Smith	Indicate Safety Review required on cover page, reference new E-Plan #, ERO Test notification to weekly from every Thursday.
7	DOS	A. Smith	Change reference from GPU to OCNCS, reflect Monday for roster change of duty, add Lotus Notes for D.R. change of duty, update ERO to reflect PI Pos.
8	04/01	A. Smith	Delete position 355, OSC communicator.
9	06/01	A. Smith	Update titles in Exhibit 2 for selection mgrs; add 2 Exhibits 9 & 10 to capture duty roster placement of personnel.
10	12/01	A. Smith	Update titles, delete the weekly pager test, clarify duty roster process/responsibilities, update duty poster; discrimination process from hard copy to Lotus Notes.
11	01/02	A. Smith	Remove requirements for respirator qualifications for certain ERO positions



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12	08/02	J. Bontempo	Reword 4.4.3, 4.4.4, 5.6.1.2 Exh. 9, Step 7 to replace Teleclerk with Dialogic  Correct Exh. 1 3c  Phone number for NRC Ops Ctr. Corrected Exh reference in Step 3.5.3 changed procedure reference in Step 4.5 to reflect LS-AA-2110  Exh 7 Steps 3 e,f,g,h added EP Coordinator  Correct Exh 1, 3j phone number for Ocean County Sheriff  Correct Exh 1, 4 IT Help Desk  Correct Exh. 2, Station Support Director Plant Manager
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**Oyster Creek Emergency Preparedness Program**

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**1.0 PURPOSE**

This procedure defines the Oyster Creek Emergency Preparedness Program requirements and maintenance.

**2.0 APPLICABILITY/SCOPE**

2.1 This procedure applies to Oyster Creek Division and all Support Divisions in their activities at Oyster Creek relating to emergency preparedness.

2.2 This procedure delineates Oyster Creek responsibilities as assigned in 2000-PLN-1300.01, OCNCS Emergency Plan.

**3.0 DEFINITIONS**

3.1 Emergency Duty Roster - Consists of all Initial Response Emergency Organization (IREO) and Emergency Support Organization (ESO) personnel.

3.2 Oyster Creek Emergency Plan Implementing Document - This document shall include Emergency Plan Implementing Procedures and should include Emergency Preparedness Administrative Procedures.

3.3 Oyster Creek Emergency Preparedness Program - The program implemented by Oyster Creek Division, Support Divisions, and the Oyster Creek Emergency Preparedness Section to maintain a high level of emergency preparedness.

3.4 Essential Positions - Consist of those duty roster positions (personnel) described in the Emergency Plan. These positions are presented in Exhibit 6.

3.4.1 Essential positions also include the On-Shift Personnel required to meet the minimum staffing requirements of Table 5 of 2000-PLN-1300.01, OCS Emergency Plan.

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3.5 Supplemental Positions - Consist of those duty roster positions (personnel) not required by the Emergency Plan.

3.5.1 Supplemental positions shall be trained as a minimum in accordance with Oyster Creek Emergency Plan Section 8.2.1, Step 1.

3.5.1.1 Supplemental positions should receive training in accordance with the Emergency Preparedness Training Program description 6200-PGD-2685, as a good practice, but it is not required.

3.5.2 Supplemental positions may fulfill the duties and responsibilities of an essential position if their training and qualification meet the minimum requirements as applicable for that position in Exhibit 4.

3.5.3 The supplemental positions are identified on the duty roster by the mid position number of 5 or higher in the three digit "position" identifier (e.g.; X5X, X6X, X7X, etc.). These positions are listed in Exhibit 7.

#### 4.0 RESPONSIBILITIES

4.1 Directors, Managers and Supervisors shall:

4.1.1 Provide assistance in scenario preparation by developing supporting data and/or ensuring technical accuracy and credibility as requested.

4.1.2 Provide drill observers and controllers to assist in the conduct and evaluation of emergency drills and exercises as needed.

4.1.3 Nominate individuals from their organization for Initial Response Emergency Organization and Emergency Support Organization positions, as specified in Exhibit 2, Emergency Duty Roster Staffing Responsibilities, to fill current or projected vacancies on the Emergency Duty Roster.

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- 4.1.3.1 Individuals currently holding a position on the Emergency Duty Roster may be trained for other Roster positions but should not be assigned more than one position on the duty roster.
- 4.1.3.2 Individuals must complete initial training/retraining for the Roster position to which they are nominated prior to being assigned to the Roster unless a valid exception is documented in accordance with the Training Program.
- 4.1.4 Monitor their personnel's progress in achieving and maintaining proficiency on Emergency Preparedness assignments. This should be recognized in Employee Performance reviews.
- 4.1.5 Ensure that they and their personnel attend scheduled Emergency Preparedness training.
- 4.1.6 When necessary submit "Drill Exemption List" Exhibit 6, to the Plant Manager (or designee) for approval at least twenty four (24) hours prior to the Drill date.
- 4.2 The Emergency Preparedness Section - OC shall:
  - 4.2.1 Schedule the training and retraining of Emergency Duty Roster personnel to maintain personnel training requirements current and provide timely notification of necessary training to appropriate personnel.
  - 4.2.2 Develop, implement and maintain the Oyster Creek Emergency Preparedness Training Program within the guidance set forth in Reference 6.1 and 6.5.

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4.3 The Emergency Preparedness Manager/Site Coordinator - OC is

responsible for the overall development, implementation and maintenance of the Oyster Creek Emergency Preparedness Program. The Emergency Preparedness Manager - OC shall:

- 4.3.1 Plan, coordinate, implement and evaluate drills and exercises.
- 4.3.2 Maintain Emergency Duty Roster and issue Confidential Telephone Information listing when the Mgr. determines sufficient Org./Personnel changes warrant revision or at least annually whichever is more frequent. The Roster should be reviewed by the Emergency Prep Manager, approved by the Duty Roster Coordinator & Senior Site Management.
- 4.3.3 Direct the issuance of a Initial Response Emergency Organization Duty Schedule for Drills/Exercises annually.
- 4.3.4 Review/concur on the Emergency Preparedness Training Program Description and related lesson plans and exams for technical accuracy and conformance with the Emergency Plan.
- 4.3.5 Maintain the Emergency Preparedness Surveillance Program and accompanying documentation. The Program includes, but is not necessarily limited to:
  - 4.3.5.1 Installed equipment operability and performance testing.
  - 4.3.5.2 Reviews and audits of Emergency Response Facilities and equipment readiness.
  - 4.3.5.3 Periodic updating of Letters of Agreement and emergency phone numbers.
  - 4.3.5.4 Ensuring the technical adequacy of Emergency Preparedness Section staff personnel.

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- 4.3.6 Review the Oyster Creek Emergency Preparedness Program to ensure satisfactory overall performance.
- 4.3.7 Track to completion "CAP" items related to emergency preparedness.
- 4.3.8 Control and revise Emergency Plan implementing procedures to reflect current information consistent with the latest revisions to the Emergency Plan and changes to EP facilities, equipment and documents.
- 4.3.9 Maintain and program as necessary the Emergency Response Organization Notification system. Review data derived from notification system tests and take corrective action for unsatisfactory results.
- 4.3.10 Perform critiques of actual implementations of the Emergency Plan (eg., any declared emergency).
- 4.4 Personnel assigned to the Initial Response and Emergency Support Organization Duty Roster are responsible to:
  - 4.4.1 Ensure that their assigned radio pager is operable and turned on when on duty and take positive action to replace their pager if it fails.
  - 4.4.2 Ensure that they are available to report for duty in accordance with the Fitness For Duty Policy within the required time during the period when they are on duty. Obtain a qualified replacement in accordance with Section 5.6.3 to carry out the assigned duties and responsibilities when any situation prevents him/her from performing his/her duty assignment on a short-term basis.

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- 4.4.3 Call Dialogic at the 800 number that appears on the pager any time the pager activates by a group code and follow the instructions provided by Dialogic System.

NOTE

If the Dialogic cannot be reached, or there is a discrepancy between pager message code and Dialogic message, report to your assigned ERF.

- 4.4.4 Acknowledge the phone message provided by the Dialogic System, if contacted at home, and follow the instructions provided by the Dialogic System.
- 4.4.5 Ensure that the Emergency Preparedness Section has their current telephone numbers (office and home).
- 4.4.6 Maintain respirator and training qualifications.

NOTE

Personnel in positions that require the use of respirators and require eye glasses must have the appropriate respirator eye glasses available at all times when on duty.

- 4.5 Key members of the IREO and ESO should perform in, or observe a drill/exercise every 18 months ( $\pm$  25%). These members are identified in LS-AA-2110. At the discretion of EP Management key personnel who do not meet this criteria may be removed from the duty roster until the criteria is met.

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5.0 PROCEDURE

The Oyster Creek Emergency Preparedness Program consists of the following elements:

5.1 Development, implementation and maintenance of the Emergency Plan

Implementing Document - This document, as defined in Section 3, implements the Oyster Creek Emergency Preparedness Program.

5.2 Emergency Preparedness Training Program - This program is governed by Reference 6.1 and conducted in accordance with the Oyster Creek Training Department Procedures.

5.3 Emergency Drills and Exercises

5.3.1 An exercise is an evaluated demonstration of major portions of emergency response capabilities. An exercise tests the integrated capability of the emergency response organization to identify weaknesses that could affect the response to an actual emergency. Exercises usually involve a large radiological release affecting the off-site populace and usually involve the full or partial participation of federal, state, and local agencies. (ref: INPO 88-019)

5.3.2 A drill is an evolution conducted to develop and maintain key emergency response skills. Drills are usually narrower in scope than exercises and can be used to train a specific area of response such as fire response, medical response, or interagency communications. Drills can also be used to train for integrated response of the emergency organization. Drills should be used to practice and promote a high state of readiness and teamwork within and between on-site facilities and disciplines. Drills can be used to correct deficiencies identified in exercises. (ref: INPO 88-019)



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5.3.3 Periodic drills and exercises will be conducted in order to assess the state of emergency preparedness. The prime objective of this form of training is to verify the emergency preparedness of all participating personnel, organizations, and agencies. Each drill or exercise will be conducted to:

(1) ensure that the participants are familiar with their respective duties and responsibilities, (2) verify the adequacy of the Emergency Plan and the methods used in the Emergency Plan Implementing Documents, (3) test communications networks and systems, (4) check the availability of emergency supplies and equipment, and (5) verify the operability of emergency equipment. In addition, repair and damage control shall be included in one major drill/exercise on an annual basis. (ref: OCNCS E-Plan)

5.3.3.1 Medical Emergency Drill

Medical Drill shall be conducted annually. The drill will involve the participation of local medical support personnel and organizations (e. g., physician, ambulance service, hospital), and will involve simulated (injured) contaminated personnel.

5.3.3.2 Fire Emergency Drill

Fire drills shall be conducted in accordance with the site Fire Protection Plan.

5.3.3.3 Radiological Monitoring Drill

Radiological Drill shall be conducted annually. The drill shall include collection and analysis of all appropriate sample media for both onsite and offsite locations.

5.3.3.4 Radiological Controls Drill

At least one drill shall be conducted semi-annually. The drill will involve response to, and analysis of, simulated elevated airborne and liquid samples and direct radiation measurements. The drill shall include analysis of implant liquid samples with simulated elevated activity levels.

5.3.3.5 Hazardous Material Spill Drill

Hazardous Material Spill Drills shall be conducted as required by the OCNGS Environmental Control Plan.

5.3.3.6 Biennial Exercises

- a. The OCGS Emergency Plan shall be tested biennially to include a scenario with a Site Area or General Emergency. State and local government emergency plans will be included with full or partial participation by state and local governments within the Plume Exposure Pathway EPZ as required by federal regulations.
- b. Conduct of the exercise shall include mobilization of onsite and offsite emergency response personnel and resources in order to verify their capability to respond to an emergency. Communications with State and County agencies will be included. The scenario will be varied from year to year such that all major elements of these plans and preparedness organizations are tested within a six year period. Once within each six year period an exercise will be started in accordance with NRC and FEMA objectives for off-normal hours.

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- 5.3.4 "Hands-On/OJT" Drills will be conducted when it is determined additional training or experience will enhance an individual, selected group, facility staff or the ERO's ability to respond to emergency conditions. This session may take the form of a walk-through or a table-top discussion of an evolution/operation. This type of drill is distinct from those described in Section 5.3.3 in that the focus is limited and will generally not include an integrated response.
- 5.3.5 Actual Emergency Plan Activations may be credited in place of selected drills if the Emergency Preparedness Manager deems it appropriate. Generally an Alert or higher level emergency may be substituted for a Drill. Such events may also replace an Exercise with NRC approval.
- 5.3.6 Drill Controllers and Evaluators will be selected from the Plant and supporting divisions based on their specialized expertise. Selection will be based on Company Organizational Position and/or Emergency Response Organization qualifications.
- 5.3.7 Drill attendance may be conducted by the facility drill controller/evaluators. Attendance sheets should be signed by the participants for drill credit. Attendance sheets should be returned to the Emergency Preparedness Section for documentation.
- 5.3.8 Personnel may be exempted from drill participation by submitting a copy of a completed Exhibit 6. This should be submitted at least twenty-four (24) hours prior to the scheduled drill date. Should a member of the Team/Priority participating in the Drill require exemption, the Director, Manager, or Supervisor requesting the exemption shall make all necessary arrangements for coverage of that position during the drill. The Drill Exemption List must be approved by the Plant Manager or his designee. Completed copies shall be sent to Shift Security Supervisor's Office - Main Gate and Emergency Preparedness Office.

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5.3.9 NRC Administrative Letter 94-16 (dated November 30, 1994) provides revised guidance concerning NRC Core Inspection Program for Annual E.P. exercises.

5.3.9.1 The letter revised the inspection frequency for performing specific inspection modules (Evaluation of Exercises for Power Reactors and Review of Exercise Objectives and Scenarios for Power Reactors) from annual to biennial.

5.3.9.2 An Annual exercise will be conducted in accordance with 10CFR50 App. E and submittal of exercise scenarios and objectives will be done biennially, in accordance with IN-94-16.

5.3.10 All drills and exercises will be documented using Exhibit 1. Any items which do not pertain to a particular exercise or drill should be noted "N/A".

5.4 Emergency Preparedness Surveillance Program - Included in the Oyster Creek Emergency Preparedness Procedure Manual as the OEP-SUR-1310 series.

5.5 Emergency Response Facilities and Equipment Readiness - These facilities and associated equipment will be maintained in accordance with OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance.

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5.6 Emergency Response Organization - The maintenance of the Emergency Response Organization will be as follows:

5.6.1 Nomination and approval process.

5.6.1.1 Responsible Directors, Managers and Supervisors as listed in Exhibit 2, Emergency Duty Roster Staffing Responsibilities, should nominate individuals from the OCGS organization to fill current or projected vacancies in the Emergency Duty Roster.

1. The nominating Director, Manager or Supervisor shall ensure that nominated individuals meet the criteria outlined in Exhibit 4, Qualification Requirements for Essential Personnel.

5.6.1.2 Site Emergency Preparedness shall review the nominated individual's Emergency Preparedness training to ensure proper completion.

1. If the nominee has not completed Emergency Preparedness training, the appropriate training should be scheduled in a timely manner.  
2. Once training has been completed the Emergency Duty Roster and Dialogic System shall be updated in accordance with Exhibit 10.

5.6.1.3 Personnel with lapsed qualifications which are not renewed shall be removed from the Duty Roster. Reinstatement shall be in accordance with 5.6.1.

5.6.2 Emergency Duty Rosters and Schedules

5.6.2.1 The Emergency Duty Roster shall be revised, in the Duty Roster Database as changes occur. The Dialogic System will be updated as changes occur, in a timely fashion.

5.6.2.2 Periodically a Confidential Telephone Information listing will be published and distributed. This phone listing will be distributed to the following:

- Shift Security Supervisor's Office
- Emergency Operations Facility
- Emergency Control Center
- Technical Support Center

5.6.2.3 The Drills/Exercise Schedule will be published and distributed each calendar year.

5.6.3 Duty Roster/Schedule Changes

5.6.3.1 A short term change (exchange of duty for less than 72 hours) to the Initial Response Emergency Organization or Emergency Support Organization (IREO or ESO) Duty Schedule will be accomplished by having the qualified relief carry his/her pager and notifying the Shift Security Supervisor, in writing of the exchange of duty if time permits. If no written notification is received by Security, the on-call duty roster member will be responsible to ensure the position is filled.

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- 5.6.3.2 A long term change (exchange of duty for 72 hours or more) to the IREO or ESO Duty Schedule will be accomplished by the duty assignee submitting a notice similar to Exhibit 3, Notice of Temporary Change of Duty, or via Lotus Notes EP Duty Roster Exchange to the Emergency Preparedness Manager or designee with a copy to the Site Security Manager preferably one week in advance of the change. The notice will be retained until the change is no longer effective.

**NOTE**

A Lotus Notes Application is available to electronically submit a "Notice of Temporary Change of Duty". This is the preferred method of exchanging duty.

- 5.6.3.3 Personnel changes to the Emergency Duty Roster will be made by submitting a notice similar to the Emergency Duty Roster Change form and processed according to Section 5.6.1. Appropriate measures should be taken by the responsible managers to ensure all positions remain fully staffed.
- 5.6.4 Initial Response Emergency Organization (IREO) Team Duty Period
- 5.6.4.1 The normal period of on-call duty for the Initial Response Emergency Duty Roster Teams is 1600 hours Friday to 1600 hours Friday of the following week. Exceptions to this period are noted on the annual published duty schedule. During this period IREO members on duty shall be fit for duty in accordance with the employee Fitness for Duty Program (Reference 6.4). The OCGS Duty Roster Schedule identifies duty periods for all teams.

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5.6.5 Emergency Support Organization Team Duty Period

5.6.5.1 The ESO will follow duty rotation in accordance with Section 5.6.4.1. During the duty period these teams shall comply with the Employee Fitness for Duty program (Reference 6.4). The OCGS Duty Roster Schedule identifies duty periods for all teams.

5.7 Corrective Action Process (CAP) - Issues related to the conduct of the Emergency Preparedness Program should be entered into the CAP System. A self assessment of EP CAP items should be conducted each year not to exceed 15 months. The assessment should look for trends as described in 2000-ADM-7216.01.

5.8 Control of Software

5.8.1 Software developed or maintained by Emergency Preparedness shall be protected from unauthorized modification by:

5.8.1.1 Limiting distribution of uncompiled source code to those specifically authorized to modify the code.

5.8.1.2 Maintaining backup copies of source code

5.8.1.3 Maintaining backup copies of unprotectable external data.

5.8.1.4 Periodically creating backup copies of accumulated results data.

5.8.1.5 Software control is in accordance with 1000-ADM-1230.10 Master List.

5.8.2 Software shall have a specified responsible individual, who will:

5.8.2.1 Be a point of contact for user comments.

5.8.2.2 Notify users of errors or omissions.

5.8.2.3 Coordinate modification.

5.8.2.4 Ensure distribution of revisions to authorized users.

5.8.3 In house software shall be tested:

5.8.3.1 Before initial distribution.

5.8.3.2 After revision.



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5.8.3.3 Such test result documentation may be flexible based on the nature of the software or degree of revision.

5.8.3.4 Documentation for other than 'non-substantive changes' shall be permanent (memo, formal calculation when applicable, etc.). Use Exhibit 9 Software Configuration Control Change Request. Additional supporting documentation should be attached.

NOTE

Changes which could reasonably be expected to affect record retention or numerical accuracy shall be considered substantive. EXAMPLE: a change which adds the date to a printout may be non-substantive, a change which alters global results data file structures may be substantive even though no actual calculations are modified.

5.8.4 Vendor Supplied Software shall be tested:

5.8.4.1 For operability on available equipment.

5.8.4.2 For accuracy of results.

6.0 REFERENCES

- 6.1 OCGS Emergency Plan, 2000-PLN-1300.01
- 6.2 Emergency Preparedness Procedure, OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance
- 6.3 Oyster Creek Emergency Plan Implementing Document
- 6.4 Employee Fitness for Duty Procedure/Drug and Alcohol OSEC-IMP-2002.04.
- 6.5 2612-PGD-2685 Emergency Preparedness Training Program.
- 6.6 INPO Document - 88-019 - Emergency Preparedness Drill and Exercise Manual.
- 6.7 Corrective Action Process 2000-ADM-7216.01.
- 6.8 10CFR50
- 6.9 1000-ADM-1230.10, Computer Systems Control
- 6.10 LS-AA-2110, Monthly Performance Indicator (PI) Data Elements for Emergency Response Organization (ERO) Drill Preparation.

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**7.0 EXHIBITS**

- 7.1 Exhibit 1, Example Drill Administrative Guide Form
- 7.2 Exhibit 2, Emergency Duty Roster Staffing Responsibilities
- 7.3 Exhibit 3, Example Notice of Temporary Exchange of Duty
- 7.4 Exhibit 4, Requirements for Emergency Duty Roster Personnel
- 7.5 Exhibit 5, Drill Exemption List
- 7.6 Exhibit 6, Emergency Response Organization Essential Positions
- 7.7 Exhibit 7, Emergency Response Organization Supplemental Positions
- 7.8 Exhibit 8, Software Configuration Control Change Request
- 7.9 Exhibit 9, Duty Roster Placement of Personnel
- 7.10 Exhibit 19, Lotus Notes Duty Roster Database Information

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(EXAMPLE)  
EXHIBIT 1  
DRILL ADMINISTRATIVE GUIDE FORM

1. Classification and Scheduling

The Emergency Preparedness Manager or his designee shall circle the appropriate title below and note the date and time the drill is to be held.

	<u>TIME</u> / <u>DATE</u>	<u>DATE</u> / <u>INITIALS</u>
• Drill	_____ / _____	
• Dress Rehearsal	_____ / _____	
• Annual Exercise	_____ / _____	_____ / _____

2. Scenario Development

The Emergency Preparedness Manager or his designee shall be responsible for the drill scenario preparation as well as obtaining scenario review from personnel listed below.

Scenario # \_\_\_\_\_ Revision \_\_\_\_\_ / \_\_\_\_\_

SRO (Name) \_\_\_\_\_

RAD PRO OR RAD ENGINEERING SUPERVISOR (Name) \_\_\_\_\_

OTHER REVIEW \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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(EXAMPLE)  
EXHIBIT 1 (Continued)

DRILL ADMINISTRATIVE GUIDE FORM

3. Outside Agency Notification

DATE / INITIALS

The Emergency Preparedness Manager or his designee is responsible for coordinating efforts with outside participating emergency personnel and organizations and notify the agencies indicated below;

a. New Jersey State Police Emergency Operations Center  
(609) 882-4201

b. Ocean County Department of Emergency Services (732)  
341-3451

c. NRC Operations Center, Rockville, Md.  
(800) 449-3694  
If no answer call (301) 951-0550

(Specify  
Name)

d. Resident NRC Inspector (609) 971-4978

e. Local Fire Companies (at the discretion of EP  
Manager or EP Coordinator)

f. Community Medical Center [Nursing Services Supv.  
(732) 240-8000 (at discretion of EP Manager or  
EP Coordinator.

g. Southern Ocean County Hospital [Nursing Service  
Supervisor (609) 597-6011] (at discretion of EP  
Manager or EP Coordinator)

h. Rescue Squads (at discretion of EP Manager  
or EP Coordinator)

Specify Which)

i. INPO Emergency Ops Center (800) 321-0614

j. Ocean County Sheriff's Comm. Center  
(732) 349-2010 or  
(732) 349-2094

k. Lacey Township Police Dept. (609) 693-6636

l. Ocean Township Police Dept. (609) 693-4007

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(EXAMPLE)  
EXHIBIT 1 (Continued)

DRILL ADMINISTRATIVE GUIDE FORM

\_\_\_\_\_/\_\_\_\_\_  
DATE / INITIALS

m. Other

(Specify) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Information Technologies Help Desk

\_\_\_\_\_/\_\_\_\_\_

5. Plant Notification

a. Vice President, Oyster Creek  
(Ext. 2300)

\_\_\_\_\_/\_\_\_\_\_

b. Plant Manager  
(Ext. 4415)

\_\_\_\_\_/\_\_\_\_\_

c. Site Security Manager  
(Ext. 4949)

\_\_\_\_\_/\_\_\_\_\_

d. Communications  
(Ext. 2180)

\_\_\_\_\_/\_\_\_\_\_

6. Observers

The Emergency Preparedness Manager is responsible for assigning observers to monitor personnel and areas involved in the drill. All plant and supporting departments are responsible for providing technically qualified observers to assist in drill observation and evaluation.

a. Assign all observers.

\_\_\_\_\_/\_\_\_\_\_

b. Publish memo providing date, times & locations to all observers.

\_\_\_\_\_/\_\_\_\_\_

7. Pre-Drill Meeting

Meet with all observers and other non-player personnel involved with the drill to brief them on scope, sequence of events and responsibilities.

\_\_\_\_\_/\_\_\_\_\_

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(EXAMPLE)  
EXHIBIT 1 (Continued)  
DRILL ADMINISTRATIVE GUIDE FORM

DATE / INITIALS

8. Shift Participation

The operating shift(s) actually tested in the drill/exercise should be listed.

9. Post Drill Requirements

Upon completion of the drill, the Emergency Preparedness Manager is responsible for meeting with all observers and holding a critique to review and discuss deficiencies and corrective actions.

a. Meet with all observers to review their significant comments, if possible.

b. Hold drill critique to review drill with involved personnel.

c. Collect signed Observer comments as available.

d. Collect Drill Attendance Forms, if used.

e. Empty Lotus Notes database after drill report approval.

10. CAP Process

The Emergency Preparedness Manager or his designee is responsible for developing CAP's based upon drill recommendations.

a. Develop Action Items.

11. Documentation and Routing of Drill and Critique

Results

The Emergency Preparedness Manager or his designee is responsible for ensuring that all documents generated as a result of the drill are collected and forwarded to appropriate personnel and/or departments.

a. Prepare and distribute Drill or Exercise Critique memo.

b. Forward the completed drill packet to Document Control. Items included in the Drill Packet are the following:

1. List of Observers

2. Drill Critique

3. Completed Drill Administrative Guide Form (Exhibit 1)

c. Forward Drill Attendance Forms to Training Administrative Support

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(EXAMPLE)

EXHIBIT 2Emergency Duty Roster Staffing ResponsibilitiesDuty Roster PositionResponsibility for Staffing

## EMERGENCY CONTROL CENTER

101 Operations Coordinator	Plant Manager
102 ECC Communications Coordinator	Plant Manager
103 ECC Communicator	Engineering
104 ECC Communicator	Plant Manager

## TECHNICAL SUPPORT CENTER

201 Emergency Director	Plant Manager
202 ED Assistant	Plant Manager
203 Rad Assessment Coordinator	Plant Manager
204 Rad Engineering Support	Plant Manager
205 TSC Coordinator	Director Engineering
206 TSC Engineer (Mech)	Director Engineering
207 TSC Engineer (Elec)	Director Engineering
208 TSC Engineer/I & C	Director Engineering
210 Core Engineer	Director Engineering
250 TSC Communications Coordinator	Director Engineering
253 Tech Assistant	Director Engineering
658 Computer Eng.	Director Engineering

## OPERATIONS SUPPORT CENTER

301 OSC Coordinator	Maintenance Director
302 Emergency Maintenance Coordinator	Maintenance Director
303 Rad Control Coordinator	Plant Manager
304 Chemistry Coordinator	Plant Manager
305 Medical Representative	Occupational Health
306 Security Coordinator	Plant Manager
350 Maintenance Team Coordinator	Maintenance Director
351 Emergency Maintenance Electrical	Maintenance Director
353 OSC Communications Coordinator	Maintenance Director
354 OSC Communicator (Operations)	Maintenance Director

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(EXAMPLE)

EXHIBIT 2Emergency Duty Roster Staffing ResponsibilitiesDuty Roster PositionResponsibility for Staffing

## OFF-SITE RADIOLOGICAL MONITORING TEAMS

450 Rad/Env Survey Team A Leader	Plant Manager
451 Rad/Env Survey Team A Assistant	Plant Manager
452 Rad/Env Survey Team B Leader	Plant Manager
453 Rad/Env Survey Team B Assistant	Plant Manager

## EMERGENCY ASSEMBLY AREA

501 Emergency Assembly Area Coordinator	Work Management Director
---	--------------------------

## EMERGENCY OPERATIONS FACILITY

601 Emergency Support Director	Vice President
602 ESD Assistant	Vice President
603 Group Leader R&EC	Plant Manager
605 EOF Communications Coordinator	HR Manager
606 EOF Communicator	HR Manager
607 EOF Communicator	HR Manager
608 Tech Support Representative	Director Engineering
609 Group Leader - Administrative Support	Work Management Director
610 Emergency Preparedness Representative	Plant Manager
612 P.I. Tech Rep/Com	HR Manager
650 Tech Support Staff	Director Engineering
651 Tech Support Staff	Director Engineering
652 Tech Support Staff	Director Engineering
653 Administrative Support Staff	Work Management Director
654 Material Management Coordinator	Work Management Director

## ENVIRONMENTAL ASSESSMENT COMMAND CENTER

801 Environmental Assessment Coordinator	Plant Manager
802 Met/Dose Assessment Coordinator	Plant Manager

## JIC

910 Media Center Lead - Com	HR Manager
911 Media Ct. Advisor/Communicator	HR Manager
912 PI Tech Rep - Com	HR Manager
913 PI Rep - Com	HR Manager
952 JIC Admin./Communicator	HR Manager



Title

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**EXHIBIT 3**

Notice of Temporary Exchange of Duty

Subject: IREO/ESO Exchange of Duty  
(circle one)

To: Emergency Preparedness Manager - OC  
Security Manager - OC

I, \_\_\_\_\_, am assigned to the Emergency  
Name

Response Organization Duty Roster, Position Number \_\_\_\_\_, as  
a(n) \_\_\_\_\_.  
Assignment

I will be unable to fulfill my on-call assignment during the period  
\_\_\_\_\_ to \_\_\_\_\_ and have arranged with  
\_\_\_\_\_  
Name Home Telephone No. Office No.

who is fully qualified to perform my duties during this period.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Signature:

\_\_\_\_\_  
Person Accepting Duty

Date: \_\_\_\_\_

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**12**(EXAMPLE)  
EXHIBIT 4QUALIFICATION REQUIREMENTS FOR ESSENTIAL PERSONNEL**I. On-Shift Emergency Organization**

- A. Satisfactorily complete and maintain required skills training and possess operators license, as appropriate, for assigned position.
- B. Satisfactorily complete and maintain Emergency Preparedness Training Program requirements for position assigned.
- C. Satisfactorily complete and maintain respirator qualification in accordance with Plant requirements.
- D. Satisfactorily complete and maintain radiation worker training (Level II).
- E. Must be active in the dosimetry system (i.e., TLD).

**II. Initial Response Emergency Organization (IREO)**

- A. Satisfy the prerequisites for selection and assignment to the specific emergency response position to which assigned, as specified in the Emergency Plan.
- B. Must satisfy 1 hour response time requirement.
- C. Satisfactorily complete and maintain Emergency Preparedness Training Program requirements for position assigned in the Initial Response Organization.
- D. Satisfactorily complete and maintain respirator qualification in accordance with Plant requirements. (See Exhibit 6 for essential positions requiring respirator qualifications)
- E. Satisfactorily complete and maintain radiation worker training (Level II).
- F. Must be active in the dosimetry system (i.e., TLD assigned).

**\*NOTE**

Exemptions to IC and II D may be granted by the Plant Manager or designee with EP concurrence from the Emergency Preparedness Manager if loss of the individual's expertise may lower the effectiveness of the EP Program. However, the individual will not be permitted to enter an area where respirators are required.

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(EXAMPLE)  
EXHIBIT 4  
(continued)

QUALIFICATION REQUIREMENTS FOR ESSENTIAL PERSONNELIII. Emergency Support Organization (ESO)

- A. Satisfy the prerequisites for selection and assignment to the specific emergency response position to which assigned, as specified in the Emergency Plan.
- B. Satisfactorily complete and maintain Emergency Preparedness Training Program requirements for the position assigned in the Emergency Support Organization.

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(EXAMPLE)  
EXHIBIT 5  
DRILL EXEMPTION LIST

DRILL DATE: \_\_\_\_\_

COMPANY: \_\_\_\_\_

DEPARTMENT: \_\_\_\_\_

NAME (last, first)	Key Card #	Slot #	SOC. SEC. #	Reason

NOTE

All required information must be completed prior to being submitted for approval.

Requested by / Date  
(Dir, Mgr, or Supv)

Approved by / Date  
(Dir, - Ops & Maintenance)  
Plant Manager

cc: Security  
Emergency Preparedness

Title

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EXHIBIT 6

Emergency Response Organization

Essential Positions

\*101 Operations Coordinator  
\*102 ECC Communications Coordinator  
\*103 ECC Communicator  
\*104 ECC Communicator  
201 Emergency Director  
202 E.D. Assistant  
203 Rad. Assessment Coordinator  
204 Radiological Engineering Support  
205 TSC Coordinator  
206 TSC Engineer (Mech)  
207 TSC Engineer (Elec)  
208 TSC Engineer (I&C)  
210 Core Engineer (Tech Functions)  
\*301 OSC Coordinator  
\*302 Emergency Maintenance Coordinator  
\*303 Radiological Controls Coordinator  
304 Chemistry Coordinator  
305 Medical Representative  
306 Security Coordinator  
501 Emergency Assembly Area Coordinator  
601 Emergency Support Director  
602 ESD Assistant  
603 Group Leader R&EC  
604 Public Information Representative  
605 EOF Communications Coordinator  
606 EOF Communicator  
607 EOF Communicator  
608 Tech Support Representative  
609 Group Leader - Admin Support  
610 Emergency Preparedness Representative  
612 PI Tech Rep/Com  
801 Env. Assess. Coordinator  
802 Met/Dose Assessment Coordinator  
910 Media Center Lead/Com  
911 Media Center Advisor/Com  
912 PI Tech Rep/Com  
913 PI Rep/Com

\* Indicates respirator qualifications required

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**12****EXHIBIT 7****Emergency Response Organization****Supplemental Positions**

250	TSC Communications Coordinator
253	Technical Assistant
350	Maintenance Team Coordinator
351	Emergency Maintenance Electrical
353	OSC Communications Coordinator
354	OSC Communicator (Operations)
450	Rad/Env. Survey Team A Leader
451	Rad/Env. Survey Team A Assistant
452	Rad/Env. Survey Team B Leader
453	Rad/Env. Survey Team B Assistant
650	EOF Tech Support Staff
651	EOF Tech Support Staff
652	EOF Tech Support Staff
653	Admin Support Staff
654	Materials Management Coordinator
658	Computer Eng.
952	JIC Admin./Communicator

Title

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EXHIBIT 8

Software Configuration Control Change Request

1. Software/Source Code to be Changed: \_\_\_\_\_

2. Requested Change: \_\_\_\_\_

3. Responsible Point of Contact: \_\_\_\_\_

4. Concurrence for Change Request YES / NO Sig. \_\_\_\_\_ Date \_\_\_\_\_

If NO an explanation should be provided to requesting party, If YES proceed with request.

5. Responsible Change Party: \_\_\_\_\_

5.1 Description of Change: \_\_\_\_\_

5.2 Method of Verification and Validation: \_\_\_\_\_

6. Responsible Reviews: \_\_\_\_\_

7. Emergency Preparedness Approval

Approval Signature

/

Title

/

Date

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**12****EXHIBIT 9****Duty Roster Placement of Personnel**

1. Responsible management listed in Exhibit 2 will notify the Duty Roster Coordinator of an anticipated vacancy, duty roster change or person to be removed from the roster.
2. Responsible management identifies personnel replacement to Duty Roster Coordinator.
3. Duty Roster Coordinator checks prerequisites of duty position with personnel qualifications. If personnel are qualified proceed with this process. If personnel are NOT qualified, determination will be made on a case by case basis with the responsible management to gain the necessary training to qualify the person in the position.
4. Duty Roster Coordinator will schedule and/or conduct the necessary class or classes. Provide new roster member with duty roster packet.
5. Duty Roster Coordinator will, if necessary, coordinate completion of qual card and/or drill.
6. Duty Roster Coordinator will notify responsible management that individual is qualified to assume duty roster position and if necessary grant removal of outgoing roster personnel.
7. Duty Roster Coordinator will update the Dialogic System and lotus notes EP roster database to add/move personnel into new position. Use Exhibit 10 for update information.
8. Individual notified of exact duty roster placement by the Duty Roster Coordinator.



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**12****EXHIBIT 10****Lotus Notes Duty Roster****Database Information**

NAME \_\_\_\_\_

EMPLOYEE \_\_\_\_\_

EST. REPORTING TIME  
TO ERF FROM HOME \_\_\_\_\_

SOCIAL SECURITY # \_\_\_\_\_

HOME BASE # \_\_\_\_\_

SITE ADDRESS \_\_\_\_\_

WORK PHONE # \_\_\_\_\_

HOME PHONE # \_\_\_\_\_

BEEPER # \_\_\_\_\_

CELL # \_\_\_\_\_

**EP OFFICE TO FILL IN**

TEAM # \_\_\_\_\_ POSITION # \_\_\_\_\_

TRAINING/QUALIFICATION COMPLETE DATE \_\_\_\_\_

DUTY ROSTER START DATE \_\_\_\_\_

SUPERIOR/MANAGER \_\_\_\_\_

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**OEP-ADM-1319.04**

Title

**PROMPT NOTIFICATION SYSTEM**

Revision No.

**5**

Applicability/Scope

Applies to work at Oyster Creek

Responsible Department

Emergency Preparedness

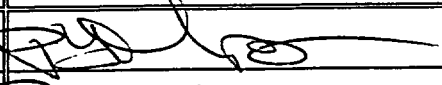
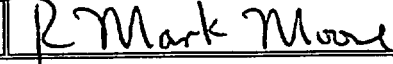
Effective Date

**9/16/02**Prior Revision 4 incorporated the  
following Temporary Changes:N/AThis Revision 5 incorporates the  
following Temporary Changes:N/AList of Pages (all pages rev'd to Rev. 5)

1.0 to 9.0  
E1-1  
E2-1  
E3-1 to E3-2  
E4-1 to E4-3  
E5-1 to E5-4  
E6-1 to E6-4  
E7-1 to E7-2  
E8-1  
E9-1 to E9-4  
E10-1  
E11-1  
E12-1 to E12-2  
E13-1

**NON-CONTROLLED**  
**THIS DOCUMENT WILL NOT**  
**BE KEPT UP TO DATE**  
**IRMC OYSTER CREEK**

This procedure replaces Procedure 6430-ADM-1319.04

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	9/12/02
Approved By		Radiation Protection Manager	9/13/02

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**PROMPT NOTIFICATION SYSTEM**

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**5**PROCEDURE HISTORY

REV	DATE	ORIGINATOR	SUMMARY OF CHANGE
7	10/94	A. Smith	Title change from Group Supervisor TE&M to Security OPS & Maint. Supervisor or DESIGNEE. Change heater surveillance from 3rd Qtr. to once a calendar year. Allow other person to perform tests other than GPU Energy Tech.
8	03/95	A. Smith	Clarify notification to the NJOEM and OCOEM concerning spurious siren activation. Add note not to reset sirens until field testing completed. Put yearly Growl Test by West Trenton in note form.
0	02/96	D. VanNortwick	Remove requirements/references for tone alert radios.
1	04/97	D. VanNortwick	Remove requirements/reference for Annual Growl Test from NJOEM Hqtrs West Trenton, NJ.
2	DOS	A. Smith	Change references from GPU or GPUN to OCNGS.
3	11/00	A. Smith	Include Maintenance surveillance requirements.
4		A. Smith	Change responsibility for sirens from Security Analyst to I&C Supervisor. Clarifying Quarterly Growl Test can be used for bi-weekly silent correct titles.
5	09/02	P. Thompson	Update responsibilities clarify use of system status test to meet "silent" test requirements.

Title

**PROMPT NOTIFICATION SYSTEM**

Revision No.

**5****1.0** PURPOSE

- 1.1 This procedure provides a basic description of the Oyster Creek Prompt Notification System (PNS), and describes the PNS Surveillance requirements.
- 1.2 The PNS consists of 42 sirens located throughout the 10 mile Emergency Planning Zone (EPZ) Exhibit 10. The sirens may be activated individually, or as an entire system. Full duration sounding (3 minutes) of the sirens alerts personnel in the EPZ to turn on their radios and/or televisions for emergency information provided under the Emergency Alert System (EAS). The PNS is maintained by OCGS and controlled at the Ocean County Sheriff's Office by appropriate County officials.

**2.0** APPLICABILITY/SCOPE

- 2.1 This procedure applies to the routine administration and maintenance of the Prompt Notification System.
- 2.2 This procedure addresses the routine surveillance testing of the PNS system including System Status Test (silent test), Quarterly Growl Test, Annual Sounding, and testing of the Siren Freeze Protection.
- 2.3 Reports of Prompt Notification System malfunctions shall be reported in accordance with Procedure 126 "Procedure for Notification of Station Events".

**3.0** DEFINITIONS**3.1** Annual Test

This verifies the Prompt Notification System operation with an actual activation of the system for three minutes and may be conducted in conjunction with a Plant exercise.

**3.2** Central Control Station (CCS)

Module that consists of a microcomputer, color monitor, printer, and ATI REACT-1000 Central Control Unit (CCU) used to initiate activation and status monitoring functions.

**3.3** Central Control Unit (CCU)

Module that consists of the processor system and an FM Radio that controls each Remote Station (Remote).

**3.4 Growl**

Indicates that one of the two acoustic sensing devices has been triggered by the siren sounding.

**3.5 Mailing Year**

A period beginning January 1 and ending on December 31 of each year.

**3.6 No Reply**

Radio or Power Failure occurs when the Central Control Station cannot make radio contact with a Remote Unit.

**3.7 PNS - Oyster Creek Prompt Notification System.****3.8 Quarterly Growl Test**

This verifies the Prompt Notification System and including operation of the communications section the controller/motor of the siren. This test includes a short duration sounding of each siren.

**3.9 Radio Contact Status Normal**

Indicates that radio communication between the Central Control Station and the Remote Unit has been verified and that there are not abnormal sensor states at the Remote Unit.

**3.10 Remote Station (Remote)**

Module that consists of a Microprocessor Card, Input/Output Card, Communications Card, Bus Power Supply Card, Relay Control Card, Card Cage, Front Panel Assembly, Terminal Block Assembly Mounting Bracket, and an FM Radio.

**3.11 Siren Emergency**

A failure of PNS equipment that results in a loss of 10 or more sirens of the Prompt Notification System. This condition constitutes an emergency as described in the Agreement and Supplements between AmerGen and Local Unions 327, 1289, 1298, 1303, 1309, 1314 (Clerical and Operation) of the International Brotherhood of Electrical Workers, Section 8.12.

3.11.1 IF 4 or more sirens Fail during a surveillance, repairs should begin as soon as possible.

**3.12 Silent**

Indicates that the Silent Test Relay has been activated at the Remote Unit.

**3.13 Siren Overrun**

Indicates that the Siren Run condition has been sensed at the Remote unit for longer than the duration of the activation (3 minutes).

**3.14 Siren Run**

Indicates that the Remote Unit has sensed power to the siren.

**3.15 Sync Error**

Indicates that the Remote Unit has received a message which does not have the correct security code.

**3.16 System Status Test (Silent Test)**

This verifies the operation of the communications section of the Prompt Notification System, but does not sound the siren. This test meets the objectives for testing per Reference 6.2 Appendix 3 Section h.

**3.17 System Status Report**

A report displayed on the Central Control Station CRT and printed to the system printer providing the date and time and the status of each of the following siren functions.

- Siren Number
- Date
- Time
- AC Fail
- Door (Intrusion Alarm)

**4.0 PROCEDURE**

4.1 The Emergency Preparedness Section - Oyster Creek shall ensure completion of the administrative actions identified in Exhibit 1 periodically as required.

4.2 Historical records will be maintained for each siren and major component of the PNS. This record will consist of periodic test results, maintenance

history, and significant events affecting each siren such as inadvertent activation, damage, or vandalism.

4.2.1 Records shall be maintained in accordance with the Divisions Records Retention Schedule.

4.3 Malfunctions of one or more sirens will be corrected in accordance with action identified in Exhibit 2.

4.4 Surveillances of the Prompt Notification System shall be completed using the appropriate exhibit for the specific surveillance required.

4.4.1 Exhibit 3, Preliminary Setup

4.4.2 Exhibit 4, System Status Test

4.4.3 Exhibit 5, Quarterly Growl Test

4.4.4 Exhibit 6, Annual Test

4.4.5 Exhibit 7, Siren Freeze Protection

4.4.6 Exhibit 8, Actions for Siren Malfunction During a Surveillance

4.4.7 Exhibit 13, Annual Siren Surveillance

4.5 Documentation

4.5.1 The results of each test shall be documented by the Communications Technician or qualified person conducting the test by maintaining the System Status Reports and Activation Verification Reports.

4.5.2 The completed reports and forms shall be reviewed by, I&C Supervisor or his designee.

4.5.2.1 The reviewed documents shall be forwarded to the Oyster Creek Emergency Preparedness Section for retention.

4.5.2.2 Each siren that fails shall be documented in an AR in PIMS to capture the repairs.

4.5.2.3 When an adverse trend in siren failures is identified it shall be documented in the CAP system for trending.

4.5.3 The Emergency Preparedness Section shall summarize the historical data for each siren.

**5.0 RESPONSIBILITIES**

5.1 The Emergency Preparedness Section - OC has overall responsibility for:

- 5.1.1 Ensuring periodic testing is performed in accordance with this procedure.
- 5.1.2 Ensuring records pertaining to the system are maintained.
- 5.1.3 Ensuring reports of test results are prepared in a timely manner.
- 5.1.4 Ensuring emergency repair for non-functioning PNS sirens are initiated.
- 5.1.5 Ensuring parts and materials required for system operation are maintained.

5.2 The Surveillance Coordinator is responsible for ensuring tracking completion of required surveillances described in this procedure.

5.3 In accordance with the New Jersey Radiological Emergency Response Plan (NJRRERP), the Emergency Management Coordinator, Ocean County is responsible for:

- 5.3.1 Directing the activation of the PNS during declared emergencies and when pre-arranged, during drills or exercises.
- 5.3.2 Arranging for alternate route alerting in municipalities affected by a non-functioning siren.
- 5.3.3 Notifying the Oyster Creek on-shift Shift Manager (SM) of any report received of a spurious activation or malfunctioned siren.

5.4 Maintenance/I&C

- 5.4.1 Notifying the Emergency Preparedness Section - OC during normal work hours, of any non-functioning system sirens.
  - 5.4.1.1 The On-Duty Shift Manager (SM) or designee shall be notified during off-normal work hours of any non-functioning system sirens.
- 5.4.2 Coordinating, scheduling, and supervising AmerGen Maintenance technicians in the activities required to maintain and test the system.



5.4.3 Providing the Emergency Preparedness Section - OC with a list of spare parts and materials required to maintain the system operational.

5.4.4 Reviewing and forwarding Siren Test Results to Oyster Creek Emergency Preparedness Section upon completion of the appropriate tests.

5.5 The Oyster Creek on-shift Site Shift Manager (SSM) shall ensure the notifications specified in Procedure OP-OC-106-101, "Procedure for Notification of Station Events" upon notification of an inadvertent activation or a failure of 4 or more sirens of the Prompt Notification System are performed.

#### 6.0 REFERENCES

6.1 2000-PLN-1300.01, OCGS Emergency Plan.

6.2 NUREG 0654

6.3 10 CFR 50, Appendix E.

6.4 10 CFR 50.72

6.5 New Jersey Radiological Emergency Response Plan, Annex B, Oyster Creek.

6.6 Agreement between the County of Ocean and AmerGen regarding Public Alert System - January 13, 1982.

6.7 OCGS Procedure No. OP-OC-106-101, Procedure for Notification of Station Events.

#### 7.0 EXHIBITS

7.1 Exhibit 1, Prompt Notification System Administrative Tasks

7.2 Exhibit 2, Prompt Notification System Malfunctions

7.3 Exhibit 3, Prompt Notification System Surveillance Preliminary Setup

7.4 Exhibit 4, Prompt Notification System Surveillance System Status Test

7.5 Exhibit 5, Prompt Notification System Surveillance Quarterly Growl Test

7.6 Exhibit 6, Prompt Notification System Surveillance Annual Test

7.7 Exhibit 7, Prompt Notification System Surveillance Siren Freeze Protection

7.8 Exhibit 8, Prompt Notification System Surveillance actions for Siren Malfunction During a Surveillance

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**5**

- 7.9 Exhibit 9, Prompt Notification System, Siren Location
- 7.10 Exhibit 10, Prompt Notification System Repair Record
- 7.11 Exhibit 11, PNS Historical Record
- 7.12 Exhibit 12, Siren Heater Freeze Test
- 7.13 Exhibit 13, Siren Surveillance.

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**5****EXHIBIT 1****PROMPT NOTIFICATION SYSTEM ADMINISTRATIVE TASKS**

- 1.0 Submit budgeting and funding request for maintenance and testing of the PNS.
- 2.0 Establish a surveillance schedule by December for the following year.
- 3.0 Ensure surveillances are conducted in accordance with established procedures.
- 4.0 Prepare a monthly report and distribute it to the New Jersey Office of Emergency Management. The report will summarize surveillance testing results and system operability, during the previous calendar month and year-to-date.
- 5.0 Prepare an annual report during the first quarter of each year that summarizes the PNS performance, improvements, and deficiencies encountered during the previous calendar year.
- 6.0 Prepare an annual certification that provides response to the requirement outlined in NUREG 0654 Appendix 3, Paragraph C.3.h. This report will be distributed to the New Jersey Office of Emergency Management.

EXHIBIT 2

## PROMPT NOTIFICATION SYSTEM MALFUNCTIONS

1.0 When a siren malfunction is reported, the Control Room will notify the Emergency Preparedness Section, who will in turn notify the Oyster Creek I&C Supervisor for repair.

1.1 Inadvertent Activation

1.1.1 The police organization of the affected municipality may notify the plant through site Security or the Control Room regarding the sounding of one or more sirens.

1.1.2 The Group Shift Supervisor shall ensure notifications of the inadvertent activation are made in accordance with Procedure 126, Enclosure 1, "Procedure for Notification of Station Events".

1.1.3 Connective Company has agreed to disconnect power to any siren within their territory that inadvertently activates and continues to sound.

1.1.4 The public should be notified of the inadvertent activation via the Emergency Alert System as delineated in the N.J. Radiological Emergency Response Plan via the N.J. Office of Emergency Management when verified by the Ocean County OEM via the Ocean County Sheriff's Department Communications Center. Upon verification, OCOEM or NJOEM will initiate the spurious siren activation EAS with the Gateway Radio Station.

EXHIBIT 3

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## PRELIMINARY SETUP

The AmerGen Technician or other qualified person shall perform the following actions prior to conducting a System Status Test, Quarterly Growl, or Annual Test of the prompt Notification System.

- 1.0 Power up the CCS if the system is off and
  - 1.1 Observe self test of internal electronic indicated by momentary illumination of CCU front panel LED's
  - 1.2 Upon completion of diagnostic test, only the "STANDBY" LED should be illuminated.
  - 1.3 A problem with internal electronic is indicated by one or more flashing LED's.

Problem Card

I/O

Communications

Microprocessor

LED

ALERT

LOWER RIGHT  
ADDRESS SELECTTHIRD FROM TOP  
ALARM SELECT

- 2.0 Insert the "Install Disk" in the disk drive.
- 3.0 Reboot the computer.
  - 3.1 Hold down the Control, Alternate, Delete keys simultaneously.
- 4.0 Type "START" and press "ENTER" key.
- 5.0 Observe the monitor displays:
- 6.0 "Welcome to the Oyster Creek Siren Monitoring System".

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**5**EXHIBIT 3 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## PRELIMINARY SETUP

7.0 Press any key.

8.0 Observe the monitor displays:

Monitor Mode On (current date) at (current time)

9.0 Observe the monitor displays Menu Box.

10.0 Set Date and Time

10.1 Select OPTIONS, F1

10.2 Select DATE/TIME

10.2.1 Enter correct date in the form

mm/dd/yyyy

i.e. 01/15/1992

10.2.2 Enter correct time in the form

hh:mm:ss

i.e. 09:30:00

10.2.3 Observe correct time is displayed at top line following

"Monitor Mode On"

11.0 Synchronize system.

11.1 Select Siren Services, F3

11.2 Select Synchronize Sirens

12.0 Reset Sirens

12.1 Select Siren Services, F3

12.2 Select Reset Sirens

EXHIBIT 4

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## SYSTEM STATUS TEST

- 1.0 The System Status Test is scheduled for Wednesday of every second week with a schedule tolerance of  $\pm 2$  days.
- 1.1 The System Status Test may be initiated as early as Monday of the scheduled week and shall be completed no later than Friday of the scheduled week. This provides a 5 day working window in which the test may be completed. A Quarterly Growl Test or Annual Test can be used to replace the corresponding bi-weekly test.
- 1.2 Conduct of System Status Test
- 1.2.1 Verify Date and Time displayed are correct.
- 1.2.2 If either requires correction complete the following steps:
- 1.2.2.1 Select OPTION, F1
- 1.2.2.2 Select DATE/TIME
- 1.2.2.3 Enter correct date in the form  
mm/dd/yyyy  
i.e. 01/15/1992
- 1.2.2.4 Enter correct time in the form  
hh:mm:ss  
i.e. 09:30:00
- 1.2.2.5 Observe correct date and time are displayed at the top line following "Monitor Mode On".
- 1.2.2.6 Select siren services (F3)  
Synchronize sirens
- 1.2.2.7 Select siren services (F3)  
Reset sirens

EXHIBIT 4 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## SYSTEM STATUS TEST

## 1.2.3 Poll Sirens

1.2.3.1 Select Siren Services - F3

1.2.3.2 Select Poll All Sirens Once

1.2.4 The AmerGen Communications Technician or other qualified person conducting the System Status Test shall review the status of each siren on the System status Report to ensure all conditions are normal and shall conduct the following if an abnormal condition is reported:

1.2.5 Synchronize Sirens

1.2.6 Reset Sirens

1.2.7 Poll each siren previously observed to have an abnormal condition reported.

1.2.8 Select Siren Services F3.

1.2.9 Select Poll a Single Siren.

1.2.10 Enter Siren Address (Siren Number).

1.2.11 Respond "Y" to Reset Siren Query.

1.2.12 Respond "Y" to Print Single Poll Report Quarterly.

1.2.13 Respond "Y" to Poll another Query if another requires individual testing otherwise respond "N".



Title

**PROMPT NOTIFICATION SYSTEM**EXHIBIT 4 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## SYSTEM STATUS TEST

- 1.2.14 Identify each siren that continues to report an abnormal condition and notify the I&C Supervisor that field testing is required.

NOTE

For malfunctioning sirens do not send a reset signal until field testing is completed.

- 1.2.15 The AmerGen Technician or other qualified person shall collect the System Status Report and individual siren poll reports and forward to the I&C Supervisor. The following conditions are reportable as a failure of an individual siren:

- N/R No Reply
- AC Fail
- Uncorrectable Sync Error

EXHIBIT 5

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## QUARTERLY GROWL TEST

- 1.0 The Quarterly Growl Test is scheduled for one week every quarter (13 weeks) with a schedule tolerance of  $\pm 2$  weeks.
- 1.1 The Quarterly Growl Test may be initiated as early as Monday two weeks prior to the scheduled week and shall be completed no later than Sunday two weeks following the scheduled week. This provides a 5 week (35 day) working window in which the test may be completed.
- 1.2 The Quarterly Growl Test shall be conducted routinely via the Central Control Station at the Ocean County Sheriff's Office.
- 1.3 Growl Test Sirens
- 1.3.1 Verify Date and Time displayed are correct.
- 1.3.2 If either requires correction complete the following steps:
- 1.3.2.1 Select OPTION, F1
- 1.3.2.2 Select DATE/TIME
- 1.3.2.3 Enter correct date in the form
- mm/dd/yyyy
- i.e. 01/15/1992

EXHIBIT 5 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## QUARTERLY GROWL TEST

1.3.2.4 Enter correct time in the form

hh:mm:ss

i.e. 09:30:00

1.3.2.5 Observe correct date and time are displayed at the top line following "Monitor Mode On".

1.3.3 Select siren services F3

Synchronize sirens

1.3.4 Select siren services F3

Reset sirens

1.3.5 Select ACTIVATION MODE F10.

1.3.6 Select ACTIVATE - F1.

1.3.7 Select GROWL - Press Enter.

1.3.8 Select TOTAL - Press Enter.

1.3.9 Observe ARM SIREN GROWL TEST and press ENTER.

1.3.10 Observe FIRE SIRENS GROWL TOTAL and press ENTER.

1.3.11 Observe GROWL - ALL SIRENS indicated.

1.3.12 Respond "No Change" to print ACTIVATION Summary/Report.

1.3.13 Respond "Y" to Reset Sirens Query.

1.4 The AmerGen Technicians or other qualified person conducting the Growl Test shall review the status of each siren on the Activation Summary Report to ensure the alarms are reported.

\* Siren Contactor

\* Growl

\* Siren Run

EXHIBIT 5 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## QUARTERLY GROWL TEST

- 1.5 The AmerGen Communications Technician or other qualified person performing test shall identify any siren that fails the Growl Test and shall notify I&C Supervisor that field testing is required.

NOTE

For malfunctioning sirens do not send a reset signal until field testing is completed.

- 1.6 The following conditions are reportable as a failure of an individual siren:

- \* N/R No Reply
- \* AC Fail with confirmed loss of one or more phases
- \* Uncorrectable Sync Error
- \* Siren Overrun Indication
- \* Lack of ALL of the following:
  - \*\* Siren Contactor Indication
  - \*\* Growl Indication
  - \*\* Siren Run Indication

- 1.7 The AmerGen Technician or other qualified person shall collect the Activation Verification Report and individual Siren Poll Reports and forward to the I&C Supervisor.

EXHIBIT 5 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## QUARTERLY GROWL TEST

- 1.8 Following field repairs and testing, an AmerGen Technician shall conduct an individual Growl Test from a portable test unit for each siren requiring repairs.
- 1.9 The individual Growl Test includes the following steps:
- 1.9.1 Select ACTIVATION MODE F10.
  - 1.9.2 Select ACTIVATE - F1.
  - 1.9.3 Select GROWL - Press Enter
  - 1.9.4 Select Single - Press Enter
  - 1.9.5 Observe SIREN ADDRESS ? is displayed.
  - 1.9.6 Enter siren number as address and press Enter.
  - 1.9.7 Observe ARM SIREN GROWL SIREN # is displayed and press Enter.
  - 1.9.8 Observe FIRE SIREN GROWL SIREN 3 is displayed and press Enter.
  - 1.9.9 Observe GROWL -Siren # is displayed.
  - 1.9.10 Respond "N" to print ACTIVATION Report. Reports are printed once all repairs are completed.
  - 1.9.11 Respond "Y" to Reset Sirens Query.
- 1.10 When completed testing all individual sirens, exit ACTIVATION MODE by completing the following steps:
- 1.10.1 Select Exit - F2
  - 1.10.2 Press Enter
  - 1.10.3 Observe the program has returned to the MONITOR MODE.
- 1.11 The AmerGen Technician or qualified person performing test shall collect all the individual siren Growl Activation reports and forward to the I&C Supervisor.

EXHIBIT 6

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## ANNUAL TEST

- 1.0 The Annual Test may be scheduled concurrently with the Plant Emergency Annual Exercise.
- 2.0 The Emergency Preparedness Section - OC shall ensure the test requirements are established prior to the Annual Test.
- 3.0 The Annual Test is scheduled once every calendar year.
- 4.0 Conduct of Annual Test.
  - 4.1 Verify Date and Time displayed are correct.
  - 4.2 If either requires correction complete the following steps:
    - 4.2.1 Select OPTION, F1
    - 4.2.2 Select DATE/TIME
    - 4.2.3 Enter correct date in the form  
mm/dd/yyyy  
i.e. 01/15/1992
    - 4.2.4 Enter correct time in the form  
hh:mm:ss  
i.e. 09:30:00
    - 4.2.5 Observe correct date and time are displayed at the top line following "Monitor Mode On".
  - 4.3 Select siren services (F3)  
Synchronize sirens
  - 4.4 Select siren services (F3)  
Reset sirens
  - 4.5 Select Activation Mode (F10).
  - 4.6 Select Activate (F1).
  - 4.7 Select Alert and press ENTER.

EXHIBIT 6 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## ANNUAL TEST

- 4.8 Select Total and press ENTER.
- 4.9 Observe Arm Sirens and Alert Total is displayed and press ENTER.
- 4.10 Observe Fire Sirens and Alert Total is displayed and press ENTER.
- 4.11 Observe Count Down and Verifying Sirens is displayed.
- 4.12 Observe individual status reports are displayed on CRT.
- 4.13 Observe the Activation Verification Report is printed and CRT displays Monitor Mode.
- 5.0 The AmerGen Technicians or other qualified person conducting the Annual Test shall review the status of each siren on the Activation Verification Report to ensure the alarms are reported.
- Siren Contactor
  - Growl
  - Siren Run
  - Sound
- 6.0 The Technician or other qualified person conducting the Annual Test shall identify any siren that fails the Annual Test and shall notify the I&C Supervisor that field testing is required.

NOTE

For malfunctioning sirens do not send a reset signal until field testing is completed.

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**5**EXHIBIT 6 (CONT'D)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## ANNUAL TEST

7.0 The following conditions are reportable as a failure of an individual siren:

- \* N/R No Reply
- \* AC Fail with confirmed loss of one or more phases
- \* Uncorrectable Sync Error
- \* Siren Overrun Indication
- \* Lack of ALL of the following:
  - \*\* Siren Contactor Indication
  - \*\* Growl Indication
  - \*\* Sound Indication
  - \*\* Siren Run Indication

8.0 The Technician or qualified person conducting test shall collect the Activation Verification Report and forward to the I&C Supervisor.

9.0 Following field repairs and testing, a Technician or other qualified person shall conduct an individual ANNUAL TEST from the portable test unit for each siren requiring repair.

10.0 The individual ANNUAL TEST includes the following steps:

- 10.1 Select Siren Services (F3)
- 10.2 Synchronize Sirens
- 10.3 Select Siren Services (F3)
  - Reset sirens.
- 10.4 Select ACTIVATION MODE F10.
- 10.5 Select ACTIVATE - F1.
- 10.6 Select ALERT - Press Enter
- 10.7 Select Single - Press Enter
- 10.8 Observe SIREN ADDRESS ? is displayed.



EXHIBIT 6 (CON'T)

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## ANNUAL TEST

- 10.9 Enter siren number as address and press Enter.
- 10.10 Observe ARM SIREN ALERT SIREN # is displayed and press Enter.
- 10.11 Observe FIRE SIREN ALERT SIREN # is displayed and press Enter.
- 10.12 Observe ALERT -Siren # is displayed.
- 10.13 Respnd "N" to Reset Siren Query.
- 10.14 Respond "N" to Print ACTIVATION REPORT.
- 10.15 Print Activation Report after all sirens have been repaired.
- 11.0 When completed testing all individual sirens, exit ACTIVATION MODE by completing the following steps:
  - 11.1 Select Exit - F2
  - 11.2 Press Enter
  - 11.3 Observe the program has returned to the MONITOR MODE.
- 12.0 The Technicians or qualified person conducting test shall collect all the individual siren ALERT Activation reports and forward to the I&C Supervisor.

EXHIBIT 7

## PROMPT NOTIFICATION SYSTEM SURVEILLANCE

## SIREN FREEZE PROTECTION

- 1.0 The siren freeze protection consists of six 50 watt heaters connected in parallel for the single phase Banshee type sirens and eight 50 watt heaters connected in parallel for the three phase Cyclone type sirens.
- 2.0 The resistance and current value of each siren shall be measured by a AmerGen Techs or other qualified technician, at least once during each calendar year by completing the following steps:
  - 2.1 Remove the power fuse from the heaters.
  - 2.2 Using an appropriate VOM, measure the resistance of the parallel heaters.
  - 2.3 Record the resistance in the "Present Resistance" section on Exhibit 12, Siren Heater Freeze Test.
  - 2.4 Attach the appropriate VOM across the fuse block terminals to measure current.
  - 2.5 Ensure thermostat contact is closed. It may be necessary to use a cooling agent such as "Circuit Freeze" to reduce the physical temperature of the thermostat to ensure contact closure.
  - 2.6 Determine the current value and record in the "Present Current Draw" section on Exhibit 12.
  - 2.7 Remove the VOM.
  - 2.8 Reinstall the power fuse.
  - 2.9 Ensure the thermostat is set to approximately 40°F.

EXHIBIT 7  
(continued)

PROMPT NOTIFICATION SYSTEM SURVEILLANCE

SIREN FREEZE PROTECTION

3.0 Heater Surveillance Test Result Criteria.

3.1 Acceptable measurement values for a one phase Banshee Siren are:

3.1.1 Amps  $2.6 \pm 20\%$  (2.1 - 3.1).

3.1.2 Resistance (Ohms)  $45.5 \pm 20\%$  (36.4 - 54.6).

3.2 Acceptable measurement values for a three phase Cyclone Siren are:

3.2.1 Amps  $3.5 \pm 20\%$  (2.8 - 4.2).

3.2.2 Resistance (Ohms)  $34.3 \pm 20\%$  (27.4 - 41.2).

EXHIBIT 8**PROMPT NOTIFICATION SYSTEM SURVEILLANCE****ACTIONS FOR SIREN MALFUNCTION DURING A SURVEILLANCE**

- 1.0 The Technician or person conducting test shall complete Exhibit 11. Record for any abnormal condition observed for the siren including:
  - Siren number
  - Description of malfunction to include method used to correct deficiencies
  - Date of observation
  - Date of repair
- 2.0 Determine Municipality and Location of Siren
  - 2.1 Select ACTIVATION MODE, F10
  - 2.2 Select LOCATION, F7
  - 2.3 Enter siren number and press Enter
    - 2.3.1 Observe Municipality and location
    - 2.3.2 Press Any Key to Continue
  - 2.4 Either enter another siren number or 0 (zero) and Enter to exit
  - 2.5 Select EXIT, F2
    - 2.5.1 Observe EXIT is displayed
    - 2.5.2 Press Enter to return to Monitor Mode.
- 3.0 The Technician or person conducting test shall ensure the Emergency Preparedness Section OC or their designee is informed during normal work hours or the On Duty Site Shift Manager during non-normal work hours of any non-function system sirens.
- 4.0 After any field maintenance, conduct a PMT to assure siren operation.

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**5**EXHIBIT 9**PROMPT NOTIFICATION SYSTEM  
SIREN LOCATION**

SIREN NUMBER	LOCATION	MUNICIPALITY	TYPE	POWER SOURCE
1	South side of Rose Hill Rd. at Railroad Ave. 0.1 miles west of US Rt. 9	Barnegat	Cyclone	GPU Energy
3	East side of US Rt. 9 at Taylor Ln. 2.7 miles south of Bayshore Dr.	Barnegat	Banshee	GPU Energy
4	West side of Bayshore Dr. 1.8 miles east of US Rt. 9	Barnegat	Banshee	GPU Energy
5	South side of Bay Ave. at 10th St. 1.0 miles west of Garden State Parkway 2.5 miles west of US Rt. 9	Barnegat	Cyclone	GPU Energy
6	South side of State Rt. 72 0.2 miles east of Pancoast Rd.	Barnegat	Cyclone	Conectiv
7	Sough side of State Rt. 72 1.1 miles west of State Rt. 532 & State Rt. 610 Warren Grove Rd.	Barnegat	Cyclone	Conectiv
9	10th St. 0.1 miles west of Central Blvd.	Barnegat	Cyclone	Conectiv
11	East side of Berkeley Ave. at Birch St.	Beachwood	Cyclone	GPU Energy
13	South side of Butler at East Blvd. 0.9 miles east of US Rt. 9	Berkeley	Cyclone	GPU Energy
14	East side of Veteran's Blvd. at Downing Ave. Fire Station Park Lot	Berkeley	Cyclone	GPU Energy
15	East side of Rt. 9 at Ocean Gate Dr. near McDonald's Rest.	Berkeley	Cyclone	GPU Energy
16	East side of Bayview Ave. 3.0 miles east of US Rt. 9 1st road north at AT&T Building.	Berkeley	Cyclone	GPU Energy

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**5**EXHIBIT 9 (CONT'D)**PROMPT NOTIFICATION SYSTEM  
SIREN LOCATION**

SIREN NUMBER	LOCATION	MUNICIPALITY	TYPE	POWER SOURCE
17	Silver Ridge Community Building Westbrooke Dr. at Surrey Ct.	Berkeley	Banshee	GPU Energy
18	Ocean County OEM at Miller Air Park	Berkeley	Cyclone	GPU Energy
19	North side of Pinewald Keswick Rd. 2.3 miles west of Garden State Parkway	Berkeley	Cyclone	GPU Energy
20	Manitou Substation	Berkeley	Cyclone	GPU Energy
21	Ajay Appliance Rt. 37 West 0.2 miles west of Mule Road	Dover	Cyclone	GPU Energy
22	Christ Church parking lot South side Washington St. 0.5 miles east of Hooper Ave.	Dover	Cyclone	GPU Energy
23	Island Heights Substation Adams Ave. 0.1 miles east of Coolidge Ave.	Dover	Cyclone	GPU Energy
25	80th St. at Anchor 0.1 miles west of Long Beach Blvd.	Harvey Cedars Boro	Cyclone	Conectiv
26	Bay Blvd. at Porter 0.1 miles west of Central Ave.	Seaside	Cyclone	GPU Energy
27	Forked River Site West of Bldg. 3	Lacey	Cyclone	GPU Energy
28	Elks Lodge 2518B Beach Blvd. at Clubhouse Rd. 0.9 miles east of US Rt. 9	Lacey	Cyclone	GPU Energy
29	Capstan Dr. at Conifer Dr.	Lacey	Cyclone	GPU Energy
30	East Hickory Dr. at Plimsoll Pt.	Lacey	Banshee	GPU Energy

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**5**EXHIBIT 9 (CONT'D)**PROMPT NOTIFICATION SYSTEM  
SIREN LOCATION**

SIREN NUMBER	LOCATION	MUNICIPALITY	TYPE	POWER SOURCE
31	South St. at US Rt. 9	Lacey	Cyclone	GPU Energy
32	North side of Lacey Rd. at Newark Conway Auto Parking Lot	Lacey	Cyclone	GPU Energy
33	North side Lakeside Dr. South at Earle Way	Lacey	Banshee	GPU Energy
34	South side Lacey Rd. 0.2 miles west of State Rt. 618-Dover Rd.	Lacey	Cyclone	GPU Energy
35	North side Lacey Rd. 1.2 miles west of Garden State Pkwy 2.2 miles east of Carriage Way	Lacey	Cyclone	GPU Energy
37	East side of Central Blvd. at Lighthouse Way	Long Beach Island	Cyclone	Conectiv
38	East side of Long Beach Blvd. at Roxie Ave.	Long Beach Island	Cyclone	Conectiv
43	Waretown Substation East side of US Rt. 9 0.6 miles south Bryant Rd. State Rt. 532	Ocean	Cyclone	GPU Energy
44	Ocean County Vocational School South side of State Rt. 532 0.5 miles west of Garden State Pkwy	Ocean	Cyclone	GPU Energy
45	Lighthouse Dr. at Nautilus Rd. 0.8 miles east of US Rt. 9	Ocean	Banshee	GPU Energy
47	13th St. Substation 13th St. at Barnegat	Seaside Park	Cyclone	GPU Energy
48	OCSA end of Mill Creek Rd. 1.1 miles south of US Rt. 72	Stafford	Cyclone	Conectiv

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**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number

**OEP-ADM-1319.04**

Title

**PROMPT NOTIFICATION SYSTEM**

Revision No.

**5****EXHIBIT 9 (CONT'D)****PROMPT NOTIFICATION SYSTEM  
SIREN LOCATION**

<b>SIREN NUMBER</b>	<b>LOCATION</b>	<b>MUNICIPALITY</b>	<b>TYPE</b>	<b>POWER SOURCE</b>
49	OCSA Cedar Run Blvd. 0.5 miles east of US Rt. 9	Stafford	Cyclone	Conectiv
51	East side of US Rt. 9 2.6 miles south of Bayshore Dr. 1.1 miles north of Hilliard Blvd.	Stafford	Cyclone	Conectiv
53	South side US Rt. 72 Opposite SOCH 0.7 miles west of Garden State Pkwy.	Stafford	Cyclone	Conectiv
56	Palatine Gun Club West side St. Rt. 539 3.3 miles south of US Rt. 72	Stafford	Cyclone	Conectiv
58	OCSA S. 2nd St. at Barnegat Ave. 0.3 miles west Long Beach Blvd.	Surf City Boro	Cyclone	Conectiv



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Title

**PROMPT NOTIFICATION SYSTEM**

Revision No.

**5****EXHIBIT 10****PROMPT NOTIFICATION SYSTEM  
REPAIR RECORD**

SIREN #	MALFUNCTION DESCRIPTION/COMMENTS	DATE OF OBSERVATION	DATE OF REPAIR

Signature: \_\_\_\_\_  
TechnicianReceived: \_\_\_\_\_  
I&C Supervisor - O/C

EXHIBIT 11  
SAMPLE

OEP-ADM-1319.1  
Rev. 5

Siren Number: \_\_\_\_\_

Siren Location: \_\_\_\_\_

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[illegible]

Page \_\_\_\_ of \_\_\_\_

EEI-1

EXHIBIT 12

## SIREN HEATER FREEZE TEST

SIREN NO.	SIREN TYPE	NORMAL RESISTANCE	PRESENT RESISTANCE	NORMAL CURRENT DRAW	PRESENT CURRENT DRAW	NOTES
1	Cyclone	34.5		3.49		
3	Banshee	45.3		2.58		
4	Cyclone	46.2		2.6		
5	Cyclone	34.2		3.5		
6	Cyclone	34.2		3.45		
7	Cyclone	34.0		3.47		
9	Cyclone	32.4		3.56		
11	Cyclone	34.4		3.5		
13	Cyclone	34.0		3.4		
14	Cyclone	34.2		3.51		
15	Cyclone	34.2		3.52		
16	Banshee	45.2		2.7		
17	Banshee	45.6		2.6		
18	Cyclone	34.6		3.44		
19	Cyclone	34.5		3.42		
20	Cyclone	33.7		3.58		
21	Cyclone	34.2		3.48		
22	Cyclone	34.2		3.51		
23	Cyclone	34.3		3.58		
25	Cyclone	34.3		3.64		
26	Cyclone	34.0		3.46		
27	Cyclone	33.9		3.8		

Tech's Signature: \_\_\_\_\_

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IMPLEMENTING PROCEDURE**

Number

OEP-ADM-1319.04

Title

PROMPT NOTIFICATION SYSTEM

Revision No.

5

EXHIBIT 12SIREN HEATER FREEZE TEST  
(continued)

SIREN NO.	SIREN TYPE	NORMAL RESISTANCE	PRESENT RESISTANCE	NORMAL CURRENT DRAW	PRESENT CURRENT DRAW	NOTES
28	Cyclone	34.0		3.55		
29	Cyclone	34.0		3.58		
30	Banshee	45.1		2.64		
31	Cyclone	34.5		3.46		
32	Cyclone	34.2		3.5		
33	Banshee	45.2		2.65		
34	Cyclone	34.3		3.46		
35	Cyclone	34.4		3.5		
37	Cyclone	34.5		3.5		
38	Cyclone	34.3		3.52		
43	Cyclone	33.9		3.56		
44	Cyclone	34.0		3.47		
45	Banshee	45.3		2.58		
47	Cyclone	34.5		3.56		
48	Cyclone	34.5		3.47		
49	Cyclone	34.3		3.57		
51	Cyclone	34.7		3.57		
53	Cyclone	34.3		3.51		
56	Cyclone	34.5		3.5		
58	Cyclone	34.2		3.52		

Tech's Signature: \_\_\_\_\_

Title

PROMPT NOTIFICATION SYSTEM

Revision No.

5

EXHIBIT 13

ANNUAL SIREN SURVEILLANCE

DATE: \_\_\_\_\_

SIREN #: \_\_\_\_\_

**CONTROL BOX/HEATER**

- 1) Check contactor condition \_\_\_\_\_
- 2) Check all wiring/connections for tightening/condition \_\_\_\_\_
- 3) Check heater operation \_\_\_\_\_
  - Ohms \_\_\_\_\_
  - Amps \_\_\_\_\_
  - Computer indication \_\_\_\_\_

**RADIO BOX**

- 1) Check power supply (radio keyed)
  - +12 VDC \_\_\_\_\_
  - 12 VDC \_\_\_\_\_
  - + 5 VDC \_\_\_\_\_
- 2) Remove/clean edge connectors/sockets and  
reinstall all cards \_\_\_\_\_
- Test antenna/radio \_\_\_\_\_
  - Power out \_\_\_\_\_
  - Power refl \_\_\_\_\_
- 4) Test radio link (status normal) \_\_\_\_\_
- 5) Spin siren (bump) \_\_\_\_\_

**RADIO P/M**

<b>TX</b>	PWR	_____	<b>NORM</b>
	DEVA	_____	15W
	PL	_____	5KHZ
	FREQ 1	_____	103.5
	FREQ 2	_____	173.2875
	FREQ 2	_____	173.3375
<b>RX</b>	SENS	_____	.3UV
	FREQ 1	_____	173.2875
	FREQ 2	_____	173.2875
	PL	_____	103.5

COMMENTS: \_\_\_\_\_

Tech's Signature: \_\_\_\_\_

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FILE INSTRUCTIONS:

OEP-ADM-1319.01 ENTIRE REV. 12

DESTROY OUTDATED:

OEP-ADM-1319.01 ENTIRE REV. 11

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**FILE INSTRUCTIONS:**

EPIP-OC-.02 ENTIRE REV. 31  
EPIP-OC-.06 ENTIRE REV. 27

**DESTROY OUTDATED:**

EPIP-OC-.02 ENTIRE REV. 30  
EPIP-OC-.06 ENTIRE REV. 26

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.