

Title <b>EMERGENCY NOTIFICATION</b>		Revision No. 25
Applicability/Scope Applies to work at Oyster Creek		Responsible Office Emergency Preparedness
This document is within QA plan scope Safety Reviews Required		Effective Date Date of Sale
		<u>X</u> Yes ___ No <u>X</u> Yes ___ No

Prior Revision 24 incorporated the following Temporary Changes:

N/A

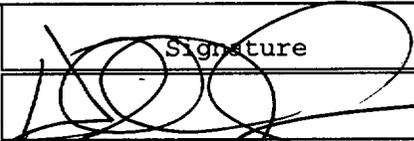
This Revision 25 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 25)

1.0 to 7.0  
E1-1 to E1-5  
E2-1 to E2-2

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/18/00
Concurred By		Director, OC	1-19-00
Approved By		Emergency Preparedness Mgr, OC	1-19-00

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<b>EMERGENCY NOTIFICATION</b>	25

PROCEDURE HISTORY

Revision	Date	Originator	Summary of Change
11	06/07/94	A. Smith	Update NRC telephone numbers and add Document History page.
12	05/94	A. Smith	Remove requirement for SS checklist to be transmitted to BNE at end of UE. Modify off-site notification forms to align with states, clarify NRC notification following state and local notifications. Add BNE phone #, Block and route to SAE and GE Forms.
13		A. Smith	Change beeper number for L. Briggs NRC
14		A. Smith	Remove INPO & ANI notifications from EXHIBIT 1B. Communications now taking that over.
15	06/95	A. Smith	Update phone numbers and add new notes to Exhibit 4, NRC Status Board data, to clarify this exhibit only used when ERDS is down.
16	12/95	T. Blount	Correct ED information, modify Notification Matrix, capture cont. inj. person notification requirements, remove North Gate as point of egress.
17	01/96	T. Blount	Pager changes requires changing phone numbers.
18	07/96	P. Hays	Prevent confusion as to whether a form is related to a drill event or a real event.
19	10/96	T. Blount	Allow use of other forms for documentation of Notification process. Incorporate follow-up notifications.
20	06/97	T. Blount	Delete AEOF consistent w/E-Plan Rev. 11, Add Sample forms to use. Remove/change NRC resident information. Remove reference to PTFC. Also, delete Exhibit 4 NRC Status Board Data and clean up signature blocks.
21	10/97	A. Smith	Delete reference to EPIP-.04. Correct nomenclature on ERF telephone circuits correct typo on E3-2 "T" to "U".
22	09/98	P. Hays	Clarify offsite notification forms by removing the notification matrix and related exhibits and keeping the new NCR triplicate form. Update the Plant Condition Follow-up Form.
23	05/99	A. Smith	Clarify off-site notification transfer between the ECC and EOF.
24	01/00	A. Smith	Clarify emergency notification sequence to on-site and off-site agencies.
25	01/00	A. Smith	Change references from GPU to OCNCS.

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**1.0** PURPOSE

1.1 This procedure provides the mechanism for emergency notifications to be made to on-site personnel and off-site agencies (as required in the Emergency Plan) in an accurate and timely manner.

1.2 This procedure shall be initiated by the Emergency Director and implemented by the ECC and EOF Communications Coordinator.

1.2.1 A communicator designated by the Emergency Director will initially implement this procedure until relieved by the on-call ECC or EOF Communications Coordinator.

**2.0** APPLICABILITY/SCOPE

2.1 This procedure applies to those persons making notifications and/or providing information to on-site personnel or off-site agencies during a declared or simulated emergency.

2.2 This procedure applies to the 10CFR50.72 requirement for immediate notification of any declared emergency class. All other notifications shall be made in accordance with the applicable station procedure.

**3.0** DEFINITIONS

None

**4.0** RESPONSIBILITIES

4.1 The GSS/Emergency Director shall:

4.1.1 Designate a communicator to implement this procedure until properly relieved by the on-call ECC or EOF Communications Coordinator.

4.1.2 Direct all off-site notifications made in accordance with this procedure until the ESD has activated the EOF and assumed the off-site notifications. The EOF Communicator will notify the ECC of the transfer.

4.1.3 Direct Control Room Staff to make appropriate on-site announcements.

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- 4.2 The On-Shift ECC Communications Coordinator (designated CRO) shall:
- 4.2.1 Complete Off-Site Notifications Checklist (Exhibit 1A) until relieved of this duty by the on call ECC or EOF Communications Coordinator.
- 4.2.2 Complete On-Site Notifications Checklist (Exhibit 1A).
- 4.3 The On-Call ECC Communications Coordinator shall relieve the On-Shift ECC Communicator and complete Off-Site Notification Checklist (Exhibit 1A) until directed to transfer the offsite notifications to the EOF Communications Coordinator.

NOTE

When offsite notifications are transferred to the EOF, the EOF Communication Coordinator shall be notified via telephone of the transfer and inform the communicator that a fax of all completed offsite notifications from the ECC will follow.

5.0 PROCEDURE

- 5.1 Emergency Notifications should be performed using forms similar to Exhibit 1A to document off-site and on-site notifications.
- 5.1.1 Page announcements and notifications should be made in the following order:
1. Plant Page (on-site copy)
  2. OEM State Police (off-site copy)
  3. Only at GE, Lacey Twp., Ocean Twp., and Ocean County (off-site copy)
  4. NRC (off-site copy)
  5. Other On-site Notifications (on-site copy)
- 5.1.2 Exhibit 1B (or similar form) is used to document the communication of a follow-up Protective Action Recommendation (PAR) or a change in plant conditions that is not associated with an escalation of the declaration.
- 5.1.3 Exhibit 2 should be used to document plant operating conditions. Other forms or methods are permitted so long as the pertinent information is provided (e.g. Major Transients, ECCS Status, Rad Monitoring).

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- 5.1.4 Emergency notifications to on-site personnel will be accomplished by using the Plant Paging System.
- 5.2 Emergency notifications to the New Jersey State Police will be accomplished within 15 minutes of the declaration of any emergency classification.
- 5.2.1 If a General Emergency has been declared, Ocean County, Lacey and Ocean Townships will also be notified within 15 minutes.
- 5.2.2 Notifications to the New Jersey State Police and Ocean County will be verified by a return call from each organization. This verification call must be answered to ensure validity of incident. If the verification has not been received within 5 minutes of the notification call then contact the agency via the notification line to request a verification call.
- 5.3 Emergency notifications to the Nuclear Regulatory Commission (NRC) will be made as soon as possible after making the state and local notifications but within 1 hour of the declaration of any emergency classification. NRC may request continuous manning of this line. Only one (1) Emergency Center at one time should provide this continuous communication link.
- 5.3.1 The NRC should be notified of the "Protective Action" implemented by the State of New Jersey. This info should be verified through the NJSP-OEM by the ED/ESD. Use Ex. 1C - Protective Action Notification (to NRC) form or similar form to document transmittal.

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- 5.4 The Station Status Checklist will be completed and updated every 30 minutes or as changes occur for transmittal to the N.J. Bureau of Nuclear Engineering (BNE) when requested. Only initial, and any significant changes require a SSC to be sent when in a UE level of emergency. After BNE is established at the EOF, no further transmittal of the SSC is required. Refer to Station Status Checklist (Exhibit 2).
- 5.5 If Communication equipment problems or failures arise, attempt to utilize alternate means and contact the TSC to initiate repairs.
- 5.6 If additional notification phone numbers are needed, refer to Procedure EPIP-OC-.06, "Additional Assistance and Notifications".
- 5.7 The "Simulator Communications Interface" switch on the operators communication console shall be left in the OFF position unless the GSS has authorized placing the switch in ON. The switch should be placed in ON only for Emergency Preparedness Drills, training evolutions and communication system testing and then returned to OFF when completed.

NOTE

When both the Simulator Communications Interface switch in the Control Room and the same switch in the Simulator Control Room are in the ON position the following communications are affected:

- Phone systems transferred to the Simulator completely:
  - NRC ENS
  - NJSP notification & verification
  - Ocean County notification & verification
  - All ERF Circuits
  - 693-8728 Plant Status Update Line Alt. (Fax)
  - 971-4959
  - 971-0220
  - 971-4550
  - BNE Info Line
  - ECC/EACC Direct Line
  - ED/ESD Hotline
  - NJ State ED Hotline
- Plant page and Radio capability are provided to the Simulator Control Room without affecting onsite systems.

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6.0 REFERENCES

- 6.1 Title 10, Code of Federal Regulations, Part 50.72 "Immediate Notification requirements for Operating Nuclear Power Reactors".
- 6.2 Procedure EPIP-OC.06 "Additional Assistance and Notifications".
- 6.3 Procedure 8000-IMP-1720.01, Emergency Public Information Implementing Procedure.

7.0 EXHIBITS

- 7.1 Exhibit 1A Notification Checklist
- 7.2 Exhibit 1B PAR/Plant Conditions Follow-up
- 7.3 Exhibit 1C Protective Action Notification to NRC
- 7.4 Exhibit 2 Station Status Checklist

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EXHIBIT 1A

SAMPLE - NOTIFICATION FORM

<p><b>OCNGS</b> <b>EMERGENCY REPORT FORM - OC</b> (Press Firmly and Write Clearly)</p>		<p>Part 1 of 3 ED-Copy</p>	
<input type="checkbox"/> This is a Drill. This is a Drill.		<input type="checkbox"/> This is <u>NOT</u> a Drill. This is <u>NOT</u> a Drill.	
<b>EMERGENCY CLASSIFICATION</b>			
<input type="checkbox"/> An/a _____ was declared at _____ on _____ The EAL is _____ Event Declared 24 Hour Clock Date		<input type="checkbox"/> The Event has been de-escalated to an/a _____ at _____ on _____ The EAL is _____ Event Declared 24 Hour Clock Date	
<input type="checkbox"/> The Event has been terminated at _____ on _____ 24 Hour Clock Date			
<b>EVENT DESCRIPTION</b>			
_____ _____			
<b>RADIOACTIVE RELEASE STATUS</b>			
<input type="checkbox"/> There is no abnormal radioactive release in progress.			
<input type="checkbox"/> There is an abnormal _____ radioactive release in progress. (i.e. exceeds ODCM Limits) airborne and/or liquid			
<b>METEOROLOGICAL CONDITION</b>			
Wind direction is from _____ degrees and wind speed is _____ miles per hour. Use 380' Elev For wind direction and speed			
<b>OFF-SITE PROTECTIVE ACTION RECOMMENDATION (Only at GE)</b>			
<input type="checkbox"/> PAR will be given at a later time.			
<input type="checkbox"/> We recommend <b>EVACUATION</b> for the general population living with 2 miles of the plant and Compass Sectors _____, _____, and _____ out to a distance of _____ miles.			
<input type="checkbox"/> We recommend <b>SHELTERING</b> for the general population living with 2 miles of the plant and Compass Sectors _____, _____, and _____ out to a distance of _____ miles.			
<input type="checkbox"/> Other - Describe: _____			
<input type="checkbox"/> We also recommend <b>SHELTERING</b> for the general population living within all other areas of the EPZ.			
<b>ON-SITE PROTECTIVE ACTION</b>			
<input type="checkbox"/> (UE) All personnel should continue with their normal duties pending further notice.			
<input type="checkbox"/> (ALERT/SAE/GE) All on-duty members of the Emergency Response Organization report to emergency centers.			
<input type="checkbox"/> (ALERT only) All other personnel should continue with their normal duties pending further instruction.			
<input type="checkbox"/> (ALERT/SAE/GE) Eating, Drinking and Smoking is prohibited until further notice.			
<input type="checkbox"/> (SAE only) <b>Site Accountability</b> has been ordered. All non-essential personnel in the protected area report to the Emergency Assembly Area in the (select one) <input type="checkbox"/> OCAB Cafeteria or <input type="checkbox"/> Warehouse. Route (if needed) _____			
<input type="checkbox"/> (GE only) <b>Site Evacuation</b> has been ordered. All non-essential personnel, who do not have a specific emergency assignment shall leave the site through the Main Gate Processing Center. Use the _____ (SOUTH/NORTH) evacuation route. Route to Main Gate (if needed) _____			
<p><b>NOTES ONLY</b> <b>DO NOT WRITE IN THIS SPACE</b></p>			
<ul style="list-style-type: none"> <li>•In the special case of a security event which does not upgrade current classification, ensure the NRC is notified of the event and status of plant security VIA the ENS line.</li> <li>•If an environmental injured person must be transported off-site, ensure appropriate notifications are complete.</li> <li>•If a contaminated injured person must be transported off-site, ensure appropriate notifications are complete.</li> <li>•The Station Status Checklist should be completed and communicated to the NJBNE once per half-hour or as conditions change. Only initial and any significant changes require SSC to be sent when in a UE level of emergency. After confirmation that the BNE is established at the EOF the SSC is no longer required to be transmitted.</li> <li>•At a GE level of emergency provide PAR to NJSP. If the NJSP EOC is not staffed, provide PAR to Ocean County, Lacey Township and Ocean Township. If the BNE is staffed at the EOF provide the initial PAR in writing to BNE first, and then only notify the NJSP.</li> <li>•Ensure the organizations contacted as listed on the notification forms are notified of termination.</li> </ul>			
<b>APPROVAL</b>			
Signature	24 Hour Clock	Date	Communicator Signature
			24 Hour Clock
			Date





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OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE

Number EPIP-OC-.03

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EXHIBIT 1A

SAMPLE - NOTIFICATION FORM (Cont'd)

OCNGS EMERGENCY REPORT FORM - OC (Press Firmly and Write Clearly) Part 3 of 3 Off-Site Copy. Start Here for notification or contact. Read Message - Slowly - Clearly. This is a Drill. This is NOT a Drill. This is NOT a Drill. Communicator's Name. EMERGENCY CLASSIFICATION. EVENT DESCRIPTION. RADIOACTIVE RELEASE STATUS. METEOROLOGICAL CONDITION. OFF-SITE PROTECTIVE ACTION RECOMMENDATION (Only at GE). OFF-SITE NOTIFICATION RECORD. APPROVAL.



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OYSTER CREEK EMERGENCY PREPAREDNESS IMPLEMENTING PROCEDURE

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EXHIBIT 1B

OCNGS

PAR/PLANT CONDITIONS FOLLOW-UP

This is a Drill. This is a Drill. This is NOT a Drill. This is NOT a Drill. This is \_\_\_\_\_ at Oyster Creek Nuclear Generating Station.

I am notifying you of an INITIAL/UPGRADED protective action recommendation. Circle One

We recommend EVACUATION for the general population living within 2 miles of the plant and compass sectors \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ out to a distance of \_\_\_\_\_ miles.

We recommend SHELTERING for the general population living within all other areas of the EPZ.

Other \_\_\_\_\_

The following plant/events conditions have changed: \_\_\_\_\_

OFF-SITE NOTIFICATION RECORD

NJ State Police (within 15 minutes of all declarations) via State Notification Line or Alternate 609-882-2000

NOTE: Verifications should be within 5 minutes of initial contact.

Ocean County (at GE only) (within 15 minutes of declaration of General Emergency) via Dedicated Line or Alter. 732-349-9100

NOTE: Verifications should be within 5 minutes of initial contact.

Lacey Township (at GE only) (within 15 minutes of declaration of General Emergency) via 609-693-6636 or Alter. 609-639-6637

Ocean Township (at GE only) (within 15 minutes of General Emergency) via 609-693-4007 or Alter. 609-693-4008

NRC (immediately following State and Local Notifications) via ENS Line or Alter. 301-816-5100 or 301-951-0550

ERDS initiated at \_\_\_\_\_ (within 1 hour of a declaration of an ALERT or higher)

On-call BNE Information (Contact NJSP if BNE has not called within 30 minutes of initial NJSP Notification Name \_\_\_\_\_ Voice Phone # \_\_\_\_\_ FAX # \_\_\_\_\_)

APPROVAL

Signature 24 Hour Clock Date Communicator Signature 24 Hour Clock Date



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OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE

Number  
EPIP-OC-.03

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EXHIBIT 1C

PROTECTIVE ACTION NOTIFICATION (to NRC)  
AS IMPLEMENTED BY THE STATE OF NEW JERSEY

"THIS IS NOT A DRILL - I REPEAT, THIS IS NOT A DRILL"

-OR-

"THIS IS A DRILL - THIS IS A DRILL"

"This is \_\_\_\_\_ at Oyster Creek Nuclear Generating Station.  
(Name/Title)

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ED/ESD Approve/Time

"Please State Your Name"

NRC (ENS Phone)

MAID (301) 816-5100  
BACKUP (301) 951-0550

\_\_\_\_\_  
Name of NRC Representative/Time Call Initiated

Notification Complete: \_\_\_\_\_  
Communicator Signature/Name/Title

ED Asst/ESD Asst Review: \_\_\_\_\_  
Signature/Title

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EXHIBIT 2

STATION STATUS CHECKLIST  
(page 1 of 2)

EXAMPLE

"THIS IS NOT A DRILL - I REPEAT, THIS IS NOT A DRILL"  
- OR -  
"THIS IS A DRILL - THIS IS A DRILL"

1. Message Date: \_\_\_\_\_ Time: \_\_\_\_\_ Transmitted by: \_\_\_\_\_  
Name/Title or Position
2. Emergency Classification:  Unusual Event  Site Area Emergency  
 Alert  General Emergency  
at Date: \_\_\_\_\_ Time: \_\_\_\_\_
3. EAL Number: \_\_\_\_\_ Description of Emergency: \_\_\_\_\_  
(EPIP-OC-.01 Appendix 1.)  
\_\_\_\_\_  
\_\_\_\_\_
4. Reactor Status:  Scrammed @ \_\_\_\_\_ (Time)  At Power \_\_\_\_\_ %  
 Hot Shutdown  Cold Shutdown
5. Reactor Pressure: \_\_\_\_\_ PSIG Recirc Loop Temp: \_\_\_\_\_ °F  
Reactor Water Level: \_\_\_\_\_ "TAF"
6. Off-site Power available?  Yes  No
7. EDG 1 operable?  Yes  No On Line?  Yes  No  
EDG 2 operable?  Yes  No On Line?  Yes  No
8. Did Isolation Condenser(s) initiate?  Yes  No  
Did Core Spray(s) inject?  Yes  No  
Did ADS actuate?  Yes  No
9. Primary Containment operable?  Yes  No Isolated?  Yes  No  
Secondary Containment operable?  Yes  No Isolated?  Yes  No  
(Reactor Building)
10. Other Pertinent Information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

"THIS IS NOT A DRILL - I REPEAT, THIS IS NOT A DRILL"  
- OR -  
"THIS IS A DRILL - THIS IS A DRILL"

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EXHIBIT 2

STATION STATUS CHECKLIST  
(page 2 of 2)

**EXAMPLE**

"THIS IS NOT A DRILL - I REPEAT, THIS IS NOT A DRILL"  
- OR -  
"THIS IS A DRILL - THIS IS A DRILL"

RADIOLOGICAL INFORMATION Message Date \_\_\_\_\_ Time \_\_\_\_\_  
(Obtain Rad information from RAC or Group Leader R & EC)

11. **Gaseous Release:**  YES Start Time \_\_\_\_\_, Terminated  YES Time \_\_\_\_\_  
 NO  NO  
Anticipated or Known Duration \_\_\_\_\_ Hrs.

Type of Release:  Ground  Elevated  
Wind Speed \_\_\_\_\_ (mph) Wind Direction From \_\_\_\_\_ (deg)  
Stability Class A B C D E F G  
Iodine (DEI) Release Rate: \_\_\_\_\_  $\mu$ Ci/s  
Noble Gas Release Rate: \_\_\_\_\_  $\mu$ Ci/s

12. **Projected Off-Site Dose Rate Calculations** (As Soon As Data is Available)
- | Distance (miles) | Total Whole Body Dose Rate (TEDE) mrem/hr | Adult Thyroid Dose Rate (CDE) Commitment mrem/hr |
|------------------|---|--|
| SB .25           | _____ mrem/hr                             | _____ mrem/hr                                    |
| 2                | _____ mrem/hr                             | _____ mrem/hr                                    |
| 5                | _____ mrem/hr                             | _____ mrem/hr                                    |
| 10               | _____ mrem/hr                             | _____ mrem/hr                                    |
- (Millirem Per Inhalation Hour)

13. **Liquid Release:**  YES Start Time \_\_\_\_\_, Terminated  YES Time \_\_\_\_\_  
 NO  NO  
Anticipated or Known Duration \_\_\_\_\_ Hrs  
Estimated Concentration \_\_\_\_\_  $\mu$ Ci/ml  
Release Flow Rate \_\_\_\_\_ Gallons/min

14. **Other Information:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Approved \_\_\_\_\_ (Licensed Operator or STA)

"THIS IS NOT A DRILL - I REPEAT, THIS IS NOT A DRILL"  
- OR -  
"THIS IS A DRILL - THIS IS A DRILL"

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number  
**EPIP-OC-.06**

Title <b>ADDITIONAL ASSISTANCE AND NOTIFICATION</b>		Revision No. <b>22</b>
Applicability/Scope Applies to work at Oyster Creek		Responsible Office Emergency Preparedness
This document is within QA plan scope Safety Reviews Required		Effective Date Date of Sale

Prior Revision 21 incorporated the following Temporary Changes:

N/A

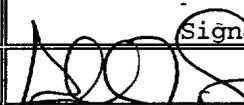
This Revision 22 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 22)

- 1.0 to 4.0
- 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  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/5/00
Concurred By		Director, Ops & Maintenance, OC	1-7-00
Approved By		Emergency Preparedness Mgr. OC	1/11/00

Title  
**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.  
**22**

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.

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<b>ADDITIONAL ASSISTANCE AND NOTIFICATION</b>	<b>22</b>

**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. GSS/SSM Oyster Creek
- b. Oyster Creek Emergency Preparedness Manager
- c. Manager of Emergency Preparedness
- d. Group Leader Administrative Support
- e. ED/ESD Assistants

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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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EXHIBIT 1

OYSTER CREEK EMERGENCY RESPONSE DIRECTORY

Work Phone No.

Dosimetry

TLD Room Clerk (609)-971-4604  
Supervisor (609)-971-4467  
(609)-971-4955

Emergency Assembly Areas

OCAB (609)-971-5276  
OCAB (609)-971-5277  
Warehouse (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  
Control Room (PC Plant Status) (609)-971-4667  
Group Shift Supervisor/Site Shift Mgr. (609)-971-4656  
Group Operating Supervisor (609)-971-4763  
Computer Room

Emergency Preparedness Department

(609)-971-4011

Environmental Affairs Dept.

(609)-971-4022

FORKED RIVER ASSEMBLY AREA GET Instructors Office

(609)-971-1126\*

Instrument Shop

Shop area (609)-971-5099

MAINFRAME COMPUTER SUPPORT

(215)-375-5555

Medical Department

Nurse (609)-971-4270  
(609)-971-4890

NRC Resident Inspector's Office (609)-971-4978

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

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<b>ADDITIONAL ASSISTANCE AND NOTIFICATION</b>	<b>22</b>

EXHIBIT 1  
(Continued)

OYSTER CREEK EMERGENCY RESPONSE DIRECTORY

	<u>Work Phone No.</u>
<u>Operations</u>	
Manager Plant Operations	(609)-971-4119
<u>Operations Support Center (OSC)</u>	(609)-971-4880
In Plant Ext.	(609)-971-4240
Outside Line	(609)-971-0976*
Radiological Controls	(609)-971-2568
Rad Con Technicians	(609)-971-4660
Rad Con Field Ops	(609)-971-4600
<u>Security Department</u>	
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
<u>Technical Support Center (TSC)</u>	
Outside Lines	(609)-971-4158
	(609)-971-4161
	(609)-971-0961*
	(609)-971-1379*
NRC Conference Room in TSC	(609)-971-4159
	(609)-971-4160
Outside Lines	(609)-971-1423*
	(609)-971-1433*
Rad Engineering	(609)-971-4156
<u>Transportation Department</u>	(609)-971-4128
<u>Whole Body Count Bldg #14</u>	(609)-971-4280

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

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.

**22**EXHIBIT 2OFFSITE EMERGENCY RESPONSE DIRECTORYEOF, Operations Facility, Lakewood, New JerseyPhone No.

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)-367-8921Radiological/Chemistry Support  
Security  
Technical Support(732)-370-7310  
(732)-370-1211  
(732)-367-8771Joint Information Center - JIC

OEM at the JIC

(732)-901-2305  
(732)-901-2333  
(732)-901-2332  
(732)-364-2897 - Fax  
(732)-370-7332Parsippany Engineering Support(973)-316-7512  
(973)-263-2009Remote Assembly Area (RAA)(732)-244-4714  
(732)-244-4742  
(732)-244-4754

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**22**EXHIBIT 3EMERGENCY TELEPHONE NUMBERS FOR NRC NOTIFICATION

	<u>TELEPHONE NUMBER</u>
NRC Operations Center (via White Flint North, Rockville)	(301)-816-5100
NRC Operations Center Back Up Number	(301)-951-0550
NRC Headquarters Operator	(301)-816-5100
Oyster Creek Resident Inspector's Office	(609)-971-4978

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**22**EXHIBIT 4OFFSITE EMERGENCY RESPONSE DIRECTORYFEDERAL AGENCIES

NRC		
Rockville, Maryland	Primary	(301)-816-5100
	Back Up	(301)-951-0550
	Telecopier	(301)-816-5151
Region I		(610)-337-5000
		(610)-337-5128
	after 1700 hours	(301)-816-5100
NRC/HPN Headquarters	Main	(301)-816-5100
	Back Up	(301)-951-0550
	DO NOT DIAL "1" before	(301) area codes

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)	(516)-344-2200
FBI (Federal Bureau of Investigation, Newark, NJ)	(973)-622-5613
National Weather Service (Recording)	(609)-261-6600

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EXHIBIT 5OFFSITE EMERGENCY RESPONSE DIRECTORYSTATE 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
Marine Law Enforcement Bureau (Ocean Station)	(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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**22**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

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**22**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) (For assistance for professional and technical expertise, refer to INPO Emergency Resources Manual located in the ECC and EOF).	(800)-321-0614 (770)-644-8549 (Fax) (770)-644-8567 (Fax)
Radiation Management Consultants (RMC) (24hr) (8 to 5)	(215)-243-2990 (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) (If no answer call one of the numbers listed below)	(408)-377-4870 (408)-371-6804 (Fax)

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

Title  
**ADDITIONAL ASSISTANCE AND NOTIFICATION**

Revision No.  
**22**

EXHIBIT 8

EMERGENCY 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)

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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

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number

**EPIP-OC-.06**

Title

**ADDITIONAL ASSISTANCE AND NOTIFICATION**

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**22**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.

**22**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 OCNCS and the organization.
2. Provide the OCNCS 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.

Title  
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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.

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EXHIBIT 9

ADDITIONAL ASSISTANCE RESPONSIBILITIES

Expertise Needed

Contact

Operations  
Management

ESD Assistant - EOF

Engineering  
Radiological Controls  
Environmental Controls

TSC Coordinator  
R.A.C.  
Environmental Assessment  
Coordinator

Maintenance  
Security

OSC Coordinator  
Security Shift Commander

Safety

OSC Coordinator

Administrative

Gr. Ldr. Admin. - EOF

Communications

OSC Coordinator

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number  
**EPIP-OC-.10**

Title <b>Emergency Radiological Surveys Onsite</b>	Revision No. <b>10</b>
Applicability/Scope Applies to work at Oyster Creek	Responsible Office Emergency Preparedness
This document is within QA plan scope <input checked="" type="checkbox"/> Yes ___ No Safety Reviews Required <input checked="" type="checkbox"/> Yes ___ No	Effective Date Date of Sale

Prior Revision 9 incorporated the following Temporary Changes:

N/A

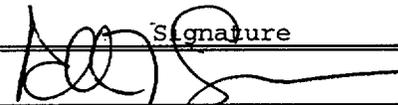
This Revision 10 incorporates the following Temporary Changes:

N/A

List of Pages (all pgs. rev'd to Rev. 10)

- 1.0 to 6.0
- E1-1 to E1-2
- E2-1
- E3-1
- E4-1
- E5-1
- E6-1 to E6-2
- E7-1
- E8-1
- E9-1
- E10-1
- E11-1
- E12-1
- E13-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Lead Emergency Planner	1/5/00
Concurred By		Radiological Controls Director	1-11-2000
Approved By		Emergency Preparedness Manager, OC	1/13/00

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**Emergency Radiological Surveys Onsite**

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**10**

PROCEDURE HISTORY

REV	DATE	ORIGINATOR	SUMMARY OF CHANGE
3	12/94	A. Smith	Add Document History page and correct numbering on Exhibits 18 through 23.
4	09/95	J. Bontempo	Use cellular phones as primary communications for FMT's.
5	01/96	J. Bontempo	Correct references to Exhibits 8 through 21 (previously 9 through 22).
6	03/97	A. Smith	Allow RAC to perform the RCC duties, update survey maps, delete Exhibit 13, recovery of radio communications due to cell phones being primary mode of comm.
D	06/97	J.W. Rayment	Draft - when ready to be rev'd don't forget to put In your summary of change.
7	09/98	J.W. Rayment	<ul style="list-style-type: none"> <li>•Add initial spaces to section 4.2, delete initial spaces from exhibits 1, 2, &amp; 4.</li> <li>•Allow use of normal Rad Con procedures for surveys.               <ul style="list-style-type: none"> <li>•Change exhibits to reflect normal procedures.</li> <li>•Delete exhibits that do not reflect normal procedures.</li> </ul> </li> <li>•Change 1/4 mile offsite map to be more accurate.</li> <li>•Change air sampling default to 1 minute samples.</li> <li>•Change air sampler to Lo volume instead of Hi volume.</li> </ul>
8	10/99	A. Smith	Update phone numbers for field teams. Remove reference to EPIP-OC-.04, this procedure was deleted.
9	12/99	G. Seals	Procedure does not comply with minimum detectable activity requirements of NUREG 0654.
10	DOS	A. Smith	Change reference from GPU or GPUN to OCNCS

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**Emergency Radiological Surveys Onsite**

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1.0 PURPOSE

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

2.0 APPLICABILITY/SCOPE

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

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

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

2.2.2 Upon direction of the Emergency Director.

3.0 DEFINITIONS

3.1 None

4.0 RESPONSIBILITIES

4.1 Onsite RAC

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

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4.2 Onsite Radiological/Environmental Survey Teams

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

NOTE

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

NOTE

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

INITIALS

- 4.2.2 Team members shall assemble and complete actions identified in Exhibit 1, "Team Assembly and Formation".
- 4.2.3 Team members shall obtain monitoring instruments and equipment utilizing Exhibit 2, "Monitoring Instruments and Equipment".
- 4.2.4 Team members shall conduct air sampler pre-operational checks in accordance with Reference 6.8. Also, utilizing Exhibit 3, "Emergency Air Sampling".
- 4.2.5 Team members shall prepare the vehicle by completing action identified in Exhibit 4, "Vehicle Preparation".
- 4.2.6 Team members shall utilize survey instruments during cold weather by completing actions identified in Exhibit 5, "Cold Weather Instrument Operations".

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INITIALS

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

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

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

5.0 PROCEDURE

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

6.0 REFERENCES

- 6.1 2000-PLN-1300.01, OCNCS Emergency Plan.
- 6.2 OEP-ADM-1319.02, Emergency Response Facilities and Equipment  
Maintenance.
- 6.3 EPIP-OC-.01, Classification of Emergency Conditions.
- 6.4 Memorandum 9502-88-0098, Field Measurement of Airborne Releases of  
Radioactive Material, G.M. Lodde, May 25, 1988.
- 6.5 Radiological/Industrial Safety and Health Awareness  
Report, 89-027, 9-25-89.
- 6.6 6630-ADM-4200.01, Radiological Surveys.
- 6.7 6630-ADM-4212.01, Air Sample Collection and Analysis.

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7.0 EXHIBITS

- 7.1 Exhibit 1, Team Assembly and Formation
- 7.2 Exhibit 2, Monitoring Instruments and Equipment
- 7.3 Exhibit 3, Emergency Air Sampling
- 7.4 Exhibit 4, Vehicle Preparation
- 7.5 Exhibit 5, Cold Weather Instrument Operations
- 7.6 Exhibit 6, Conducting On-Site Surveys
- 7.7 Exhibit 7, Termination of Monitoring Activities
- 7.8 Exhibit 8, Onsite Emergency Monitoring Points
- 7.9 Exhibit 9, Onsite Monitoring Point Map
- 7.10 Exhibit 10, Sample Record
- 7.11 Exhibit 11, Air Activity (Iodine) Nomogram
- 7.12 Exhibit 12, Approx. 1/4 Mile Offsite Map
- 7.13 Exhibit 13, Survey Form

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EXHIBIT 1

TEAM ASSEMBLY AND FORMATION

- 1.0 The Onsite Radiological/Environmental Survey Team will consist of two (2) team members. At least one member shall be a Radiological Controls Technician who shall be designated Team Leader.
- 2.0 The Onsite Radiological/Environmental Survey Team shall mobilize, and report as directed by the RAC/RCC.
- 3.0 Obtain the emergency monitoring vehicle key. If the key is not available, a backup key may be obtained from the guard at the Main Gate Processing Center.
  - 3.1 Obtain cellular phone from GRCS lock box as primary mode of communications.
  - 3.2 Obtain a portable radio for back up communications (Channel 1 would be used).
  - 3.3 Team members shall conduct cell phone communications (primary) or radio communications (secondary) observing appropriate Radio Communications Protocol.

TEAM MEMBERS

<u>NAME</u>	<u>SSN</u>	<u>AVAILABLE DOSE</u>
_____ (Team Leader)	_____	_____
_____	_____	_____
_____	_____	_____

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EXHIBIT 1  
(continued)

TEAM ASSEMBLY AND FORMATION

NOTE

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

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

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

3.4 Communications and log keeping shall be conducted in accordance with EPIP-OC-.04, Communications and Recordkeeping.

4.0 If the vehicle is not in the assigned parking location, check the Rad Con Field Ops Sign Out Sheet, determining if the user has a radio, and contact the user directing him/her to return the vehicle immediately.

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

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EXHIBIT 2

MONITORING INSTRUMENTS AND EQUIPMENT

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

NOTE

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

- 1.1 One (1) doserate survey instrument with capability of measuring 0.2 mR/hr and greater and capable of determining Beta readings.
- 1.2 One (1) countrate survey instrument with a pancake style probe.
- 1.3 One (1) air sampler (Lo Vol RAS Pump)
- 1.4 One (1) DC air sampler

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EXHIBIT 3

EMERGENCY AIR SAMPLING

NOTE 1

Silver zeolite cartridges to be used for all samples.

NOTE 2

Flow rate on all samples to be 50-62 lpm.

NOTE 3

Verify operation of power inverter in van prior to use.

Initials

1.0 DC Air Sampler Use

- 1.1 Ensure the 3 position switch (charge-off-run) is in the OFF position.
- 1.2 Ensure the 2 battery clips are connected together to prevent sparking while A/S is being moved or handled.
- 1.3 Connect the air sampler battery clips to the appropriate terminals.
  - 1.3.1 Red-Positive, Black-Negative
- 1.4 Turn ON A/S and adjust flow as needed.
- 1.5 Turn OFF A/S and reconnect the 2 battery clips together.

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EXHIBIT 4

VEHICLE PREPARATION

- 1.0 Verify emergency equipment lockers are locked.
- 2.0 If the emergency locks are not locked, Conduct an inventory using inventory checklist from Procedure OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance. (Appendix B-2).
- 3.0 Perform radio check with RAC/RCC.
- 4.0 Log any deficiencies and report information to RAC/RCC.

NOTE

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

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EXHIBIT 5

COLD WEATHER INSTRUMENT OPERATIONS

- 1.0 Caution must be observed to ensure instrument operation is not affected by extreme cold temperatures.
- 2.0 If ambient temperature is above 32°F (0°C), instrument use is unlimited.
- 3.0 If ambient temperature is below 32°F (0°C), continuous instrument use should be limited as follows:

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

- 4.0 For operation in temperatures below 32°F (0°C), a battery check should be performed before and after each measurement.
  - 4.1 If the battery check fails in either case, the measurement is not valid.
  - 4.2 Return the instrument to the vehicle and allow the batteries to warm up.
  - 4.3 Repeat the measurement as required.

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EXHIBIT 6

CONDUCTING ON-SITE SURVEYS

- 1.0 If the On-Site Team is dispatched Off-Site beyond the 1/4 mile radius, suspend use of this procedure and implement appropriate sections of EPIP-OC-.11 for surveys.
- 2.0 The intent is to keep the vehicle within the Protected Area whenever possible. Monitoring Points ESE, SE, and SSE are outside the Protected Area. Due to the time required to enter and exit the Protected Area, verify with the OSC that those monitoring points are required.
- 3.0 Exhibit 8, "Onsite Emergency Monitoring Points" (describes the onsite locations).
- 4.0 Exhibit 9, "Onsite Monitoring Point Map" (identifies these locations).
- 5.0 Perform and document onsite surveys in accordance with established Rad Con procedures. (Exhibit 13: Survey Form - Example - Equivalent Form may be used).
  - 5.1 A baseline perimeter survey should be performed when team is dispatched.
  - 5.2 Perform surveys at the discretion of the RAC/RCC.
  - 5.3 Identify on Survey Form whether survey location may be within the plume or not.
    - 5.3.1 If open window reading is >110% of closed window reading, uncorrected, survey location may be within the plume.
  - 5.4 Label all samples, (smears, air samples, water samples, etc.), with appropriate information (time, location, etc.).

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EXHIBIT 6  
(continued)

CONDUCTING ON-SITE SURVEYS

- 5.5 Refer to Exhibit 11, "Air Activity (Iodine) Nomogram", for field counting iodine air samples to estimate air iodine activity.
- 5.6 Document Survey on Exhibit 13 or Equivalent Form; any water, soil, or air samples to be documented on Exhibit 10 - sample record.
- 5.7 Communicate all survey results to the RCC/RAC as soon as practical.

NOTE 1

Air samples to be 2 minute minimum samples with a flow between 50 and 62 LPM unless otherwise directed by RCC/RAC.

NOTE 2

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

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EXHIBIT 7

TERMINATION OF MONITORING ACTIVITIES

INITIALS

- 1.0 Upon direction of the RAC/RCC to cease monitoring activities.
  - 1.1 Transport field monitoring samples to the Rad Con Counting Room or as directed by the RAC/RCC.
  - 1.2 Log off the Rem-On-Line system as appropriate.
  - 1.3 Inventory and return to storage all the emergency monitoring equipment in accordance with Appendix B of OEP-ADM-1319.02, "Emergency Response Facilities and Equipment Maintenance".
  - 1.4 Return vehicle and keys to assigned location.
  - 1.5 Submit team logs and data forms to RAC/RCC for his review and subsequent filing with the Document Control Center.

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EXHIBIT 8

ONSITE EMERGENCY MONITORING POINTS

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

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EXHIBIT 9

Onsite Monitoring Point Map

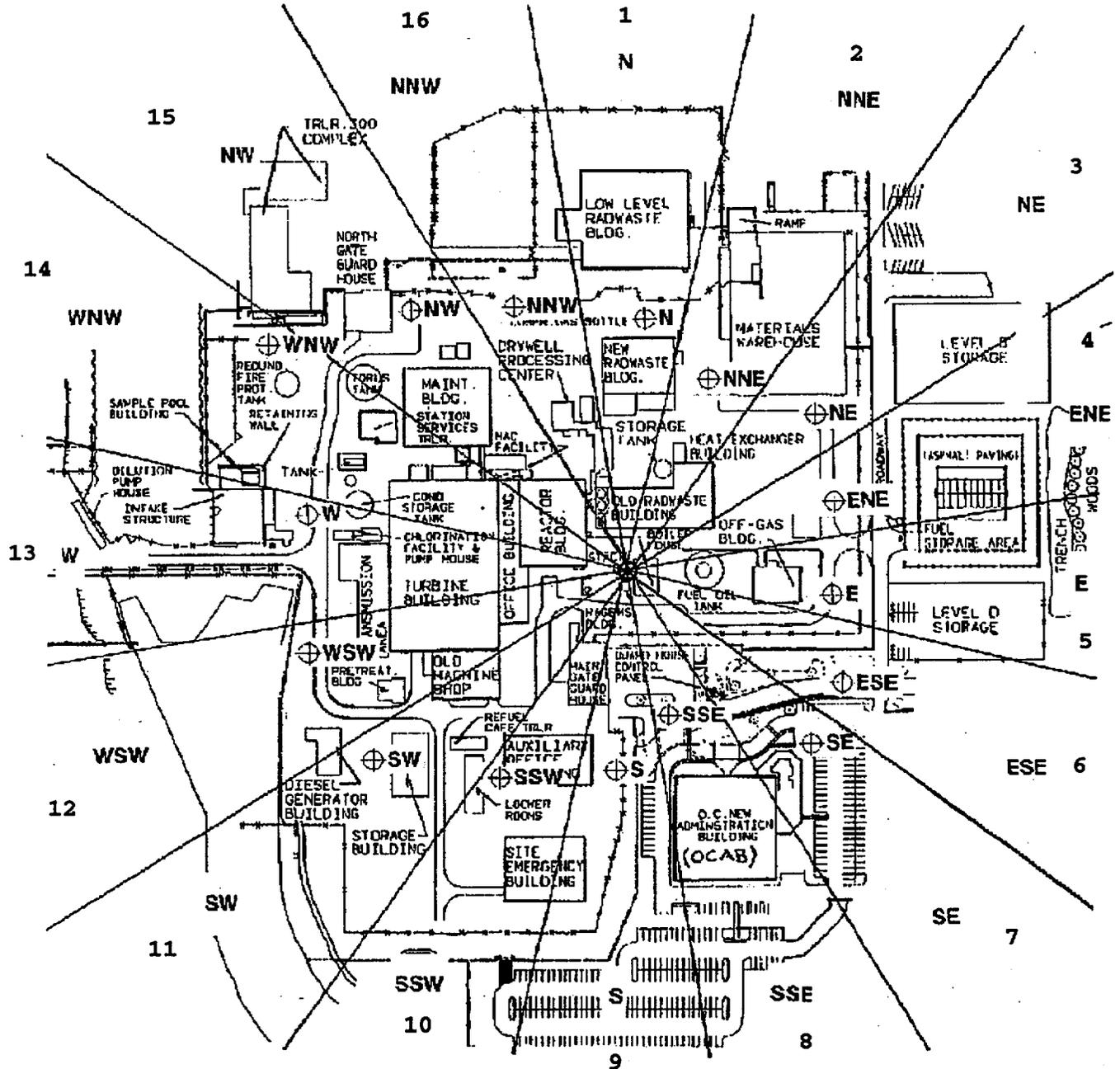


EXHIBIT 10  
Sample Record

Procedure EPIP-OC-10  
Rev. 10

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

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

E10-1

AIR SAMPLER TYPE \_\_\_\_\_ SERIAL NO. \_\_\_\_\_ CAL. DUE \_\_\_\_\_

COUNTING INST. TYPE \_\_\_\_\_ SERIAL NO. \_\_\_\_\_ CAL. DUE \_\_\_\_\_

SIGNED \_\_\_\_\_  
TEAM LEADER

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**10**EXHIBIT 11AIR ACTIVITY (IODINE)

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

NET CPM	IODINE CONC (uCi/cc)	# of DAC's
100	2E-7	10
500	1E-6	50
1000	2E-6	100
5000	1E-5	500
10000	2E-5	1000
50000	1E-4	5000

## NOTE

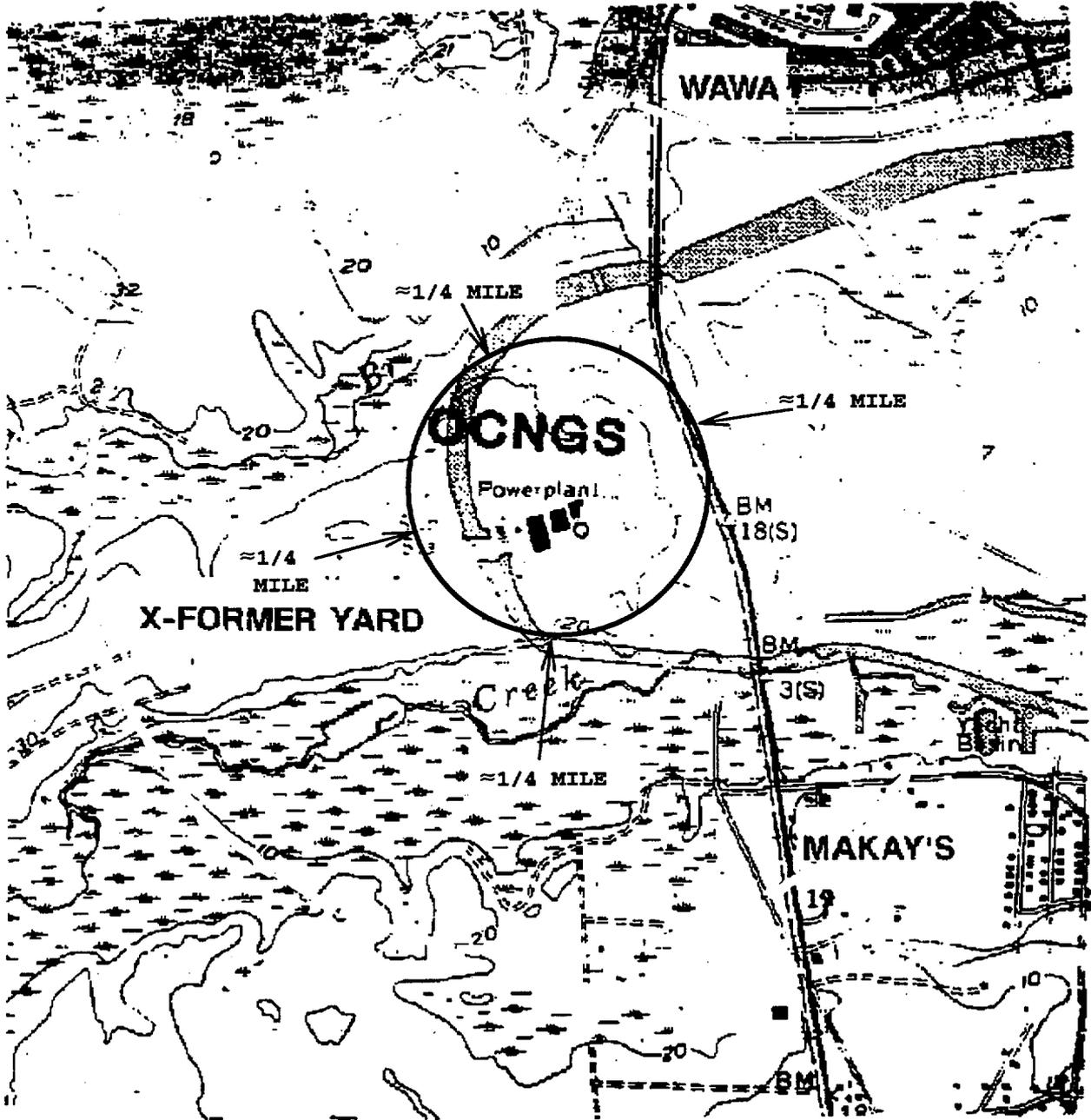
This table is based on 1 minute sample times @ 60 LPM. Divide concentration and # of DAC's for all other sample times. The table is intended to give field teams a rough idea of what they are encountering. This data should not be used to make dose projections for the general public.

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EXHIBIT 12

APPROX. 1/4 MILE OFFSITE MAP





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Applicability/Scope Applies to work at Oyster Creek	Responsible Office Emergency Preparedness
This document is within QA Plan scope Safety Reviews required	Effective Date Date of Sale

Prior Revision 14 incorporated the following Temporary Changes:

N/A

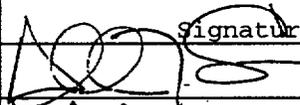
This Revision 15 incorporates the following Temporary Changes:

N/A

List of Pages (all pgs rev'd to Rev. 15)

- 1.0 to 4.0
- E1-1 to E1-2
- E2-1 to E2-7
- E3-1
- E4-1
- E5-1
- E6-1 to E6-2
- E7-1
- E8-1
- E9-1 to E9-2
- E10-1 to E10-2
- E11-1 to E11-13
- E12-1
- E13-1 to E13-3
- E14-1
- E15-1
- E16-1
- E17-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organizational Element	Date
Originator		Emergency Planner	1/6/00
Concurred By	M. J. Stobodai	Rad. Controls/Safety Dir., OC	1-11-2000
	James J. Vayhtas	Manager, Environmental Affairs	1/17/2000
Approved By	Paul King	Emergency Preparedness Manager, OC	1/17/2000

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PROCEDURE HISTORY

REV	DATE	ORIGINATOR	SUMMARY OF CHANGE
4		A.T. Smith	Delete Parsippany Field Monitoring Team and Add Document History Page
5	12/94	A.T. Smith	Define RAC & EAC Acronyms pg. 4.0. Delete Reference to PTFC pg. 5.0. Clarify dosimetry pg. E2-1. Clarify Plume search directions. Remove names at locations in Exhibit 12. Clarify Dose Rate Survey Open and Closed readings.
6	09/95	J. Bontempo	Use cellular phones as primary communications for FMTs.
7	12/95	J. Bontempo	Add cell phones to activation checklist for FMTs. Delete Parsippany FMT. Correct typo.
8	10/96	J. Bontempo	Delete initial block for repetitive tasks. Rearrange order of task in E1-1. Delete term Team Leader Pg. E1-2. Correct units to lpm Pg. E2-6, E10-1, E15-1. Delete signature block of EACC <sup>E</sup> from Pg. E15-1, E16-1, E17-1.
9	10/97	A. Smith	Update area codes.
10	01/98	P. Milligan	Change air sample run time from 5 minutes to 1 minute.
11	07/98	J. Rayment	New Rad Engineering Calculation determined that open window to closed window ratio needs to be changed.
12	05/99	A. T. Smith	During annual review no other changes except the reference E-Plan # were identified.
13	10/99	A. T. Smith	Update phone numbers for field teams and consolidate phone number information.
14	12/99	G. Seals	Procedure does not comply with minimum detectable activity requirements of NUREG 0654.
15	DOS	A.T. Smith	Required due to Sale of OCNCS.

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**15****1.0** PURPOSE

1.1 This procedure describes the responsibilities and duties of personnel involved in conducting Offsite Radiological/Environmental Monitoring and Sampling.

**2.0** APPLICABILITY/SCOPE

- 2.1 This procedure applies to all Emergency Response personnel involved in Offsite Radiological/Environmental Monitoring Team activities.
- 2.2 This procedure is to be initiated upon any of the following conditions:
- 2.2.1 Alert, Site Area Emergency or General Emergency or as directed by the Emergency Director.

**3.0** DEFINITIONS

3.1 None

**4.0** RESPONSIBILITIES**4.1** Radiological/Environmental Survey Teams

The offsite Radiological/Environmental Survey Team performs offsite radiological and environmental monitoring and sampling in accordance with Exhibit 1, "Field Monitoring Team (FMT) Checklist".

**5.0** PROCEDURE

- 5.1 The Offsite Radiological/Environmental Survey Team shall initially report to the Radiological Assessment Coordinator (RAC) until the Environmental Assessment Command Center (EACC) is manned and activated. When the EACC is manned and activated, the Offsite Radiological/Environmental Survey Teams then report to the Environmental Assessment Coordinator (EAC) who is responsible for directing emergency teams to conduct emergency radiological and environmental monitoring outside the protected area and to conduct plume tracking.
- 5.2 FMT members will proceed with Exhibit 1.

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**15****6.0** REFERENCES

- 6.1 2000-PLN-1300.01, OCNCS Emergency Plan.
- 6.2 OEP-ADM-1319.02, Emergency Response Facilities and Equipment Maintenance.
- 6.3 EPIP-OC-.01, Classification of Emergency Conditions.
- 6.4 Memorandum 9502-88-0098, Field Measurement of Airborne Releases of Radioactive Material, G.M. Lodge, May 25, 1988.

**7.0** EXHIBITS

- 7.1 Exhibit 1, "Field Monitoring Team (FMT) Checklist"
- 7.2 Exhibit 2, "OCNCS FMT Activation Checklist"
  - 7.2.1 Exhibit 2A, Intentionally Left Blank
  - 7.2.2 Exhibit 2B, "Dose Rate and Count Rate Instrument Op Check"
  - 7.2.3 Exhibit 2C, "AC Air Sampler Op Check"
  - 7.2.4 Exhibit 2D, "DC Air Sampler Op Check"
- 7.3 Exhibit 3, "OCNCS FMT Termination Checklist"
- 7.4 Exhibit 4, "Conduct of a Dose Rate Survey"
- 7.5 Exhibit 5, "Conduct of a Count Rate Survey"
- 7.6 Exhibit 6, "Conduct of an Air Sample"
- 7.7 Exhibit 7, "Conduct of Noble Gas Sampling"
- 7.8 Exhibit 8, "Conduct of Soil or Snow Sampling"
- 7.9 Exhibit 9, "Conduct of Vegetation Sampling"
- 7.10 Exhibit 10, "Conduct of Water Sampling"
- 7.11 Exhibit 11, "Offsite Monitoring Points"
- 7.12 Exhibit 12, "Plume Search Routes"
- 7.13 Exhibit 13, "Offsite Radiological/Environmental Survey Team Log"
- 7.14 Exhibit 14, "Sample Record"
- 7.15 Exhibit 15, "Count Rate Survey Record"
- 7.16 Exhibit 16, "Environmental Sample"
- 7.17 Exhibit 17, "Dose Rate Survey Record"

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**Emergency Radiological Surveys Offsite**

Revision No.

**15**EXHIBIT 1Field Monitoring Team (FMT) ChecklistInitials

- \_\_\_\_\_ 1.0 OCNCS FMTs will complete Exhibit 2, OCNCS FMT Activation Checklist.
- \_\_\_\_\_ 2.0 Upon direction from the EAC/RAC cease monitoring activities and complete Exhibit 3, "FMT Termination Checklist" as appropriate.
- 3.0 Frequently monitor your SRDs. When a SRD indicates 3/4 or greater scale, record the dose on your Control Point Admission Ticket, rezero the SRD, and fill out a new ticket.
- 4.0 Monitor the dose rate in your vehicle. If the dose rate exceeds 2 mrem/hr at the driver or passenger locations due to field monitoring samples, notify the EACC/RAC. To determine this, conduct a dose rate survey in the vehicle cab while the vehicle is in an area of normal background.
- 5.0 Notify the EACC/RAC when any team member's accumulated dose approaches 1000 mrem TEDE.
- 6.0 If the outside temperature is less than 32°F the continuous instrument use should be limited as follows:

Temp	Continuous Operation Time
0°F - 32°F	5 minutes
-20°F - 0°F	2 minutes

Battery checks must also be performed before and after each use. If either check is not satisfactory, the measurement is not valid. The instrument should be returned to the vehicle and the batteries allowed to warm up.

- 7.0 Conduct surveys, air samples and biota sampling as directed by the EAC.
- Dose rate surveys are performed in accordance with Exhibit 4
  - Count rate surveys are performed in accordance with Exhibit 5
  - Air samples are performed in accordance with Exhibit 6
  - Noble gas samples are performed in accordance with Exhibit 7
  - Snow and soil samples are performed in accordance with Exhibit 8
  - Vegetation samples are performed in accordance with Exhibit 9
  - Water samples are performed in accordance with Exhibit 10

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EXHIBIT 1  
(Continued)

Field Monitoring Team (FMT) Checklist

Initials

8.0 Periodically conduct a whole body frisk and smear the surfaces of the vehicle.

- If the Beta-Gamma contamination is found to be above the following levels notify the EAC and report to the RAA or effect local decontamination and documentation as directed.

Beta Gamma                    100 cpm/100cm<sup>2</sup>  
    Surface area of vehicle

Beta Gamma                    100 CPM above background,  
    direct frisk of the wheels

- Vehicles, contamination control station and instruments may be decontaminated in the field by wiping down with maslin cloth taking care to fold maslin inward after each wipe. By using the count rate instrument to check the maslin after each wipe, a rough order of level of Beta-Gamma contamination may be approximated. Always make one pass with the maslin cloth. Never use the same side to decontaminate a surface. After decontamination place maslin cloth in poly bag, label and conduct a dose rate survey.

Time \_\_\_\_\_

Signature \_\_\_\_\_

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**15**EXHIBIT 2OCNGS FMT ACTIVATION CHECKLISTInitials

- \_\_\_\_\_ 1.0 Two team members present. If a qualified team member is not available, an untrained individual may be used as a driver/assistant. The RAC or EAC must approve the individual.

NOTE

The RAC or EAC may authorize or direct team dispatch without completing one or more checklist steps.

- \_\_\_\_\_ 2.0 Obtain cellular phone for primary communications labeled for your team and a Hand Held Radio for backup communications from the FMT Equipment Locker.
- \_\_\_\_\_ 3.0 Contact the RAC by phone and inform him that your team is beginning activation. If RAC unavailable contact EAC.

NOTE

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

Obtain plant status and meteorological conditions from the RAC/EAC Document on Exhibit 14. The following is a list of locations, speed dial codes and actual phone numbers used by field teams and their respective contact.

<u>Location</u>	<u>Speed Dial</u>	<u>Phone #</u>
RAC/ECC	01	609-971-0335
RAC/TSC	02	609-971-4156
EAC/EACC	03	732-367-8805
	*	732-370-8990
FMT "A"	04	609-457-3560
FMT "B"	05	609-457-3441
FMT "C"	06	609-457-1525
ONSITE FMT	07	609-457-3592
RCC/OSC	08	609-971-4880
EMERG.	09	911
ECC	10	609-971-4666
*Dial Manually		732-370-8990

- \_\_\_\_\_ 4.0 Each team member shall obtain one TLD, and one 0-1500 mRem and, if available, a 0-200 mRem Self-Reading Dosimeter SRD. Zero the SRDs and initiate a Control Point Admission Ticket.
- \_\_\_\_\_ 5.0 Check the seal on the storage door on the right side of the monitoring vehicle. If the seal is broken, an inventory must be performed in accordance with Appendix B-1 of OEP-ADM-1319.02.
- \_\_\_\_\_ 6.0 Obtain one dose rate and two count rate survey instruments and Op Check in accordance with Exhibit 2B.

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**15**EXHIBIT 2  
(Continued)OCNGS FMT ACTIVATION CHECKLISTInitials

- \_\_\_\_\_ 7.0 Obtain one AC Air Sampler and Op Check in accordance with Exhibit 2C.
- \_\_\_\_\_ 8.0 Obtain one DC Air Sampler and Op Check in accordance with Exhibit 2D.
- \_\_\_\_\_ 9.0 Obtain two water-filled 500 ml sample bottles for noble gas sampling. Fill each with water and seal tightly. Generally, filled bottles will be kept in the storage locker.
- \_\_\_\_\_ 10.0 Transport the following to the vehicle.
- 1 cellular phone
  - 2 sets of dosimetry (one each member) from step 3.0
  - 1 hand held radio from step 4.0
  - 1 dose rate survey instrument from step 6.0
  - 2 count rate survey instruments from step 6.0
  - 1 AC Air Sampler from step 7.0
  - 1 DC Air Sampler from step 8.0
  - 2 500 ml sample bottles from step 9.0
  - 1 Notebook binder containing EPIP-OC-.11 with attachments and OEP-ADM-1319.02, Appendix B
  - 1 Map of Offsite Monitoring Points. The map is contained in the notebook.
  - 1 portable search light
- \_\_\_\_\_ 11.0 Place a 2ft x 2ft poly sheet on the back floor of the vehicle.
- \_\_\_\_\_ 12.0 Tape up poly bags on the inside of the vehicle doors to be used for contaminated waste and gloves.
- \_\_\_\_\_ 13.0 Start the vehicle. Test the DC/AC inverter by plugging the AC Air Sampler to the inverter. Ensure the inverter is turned on and the circuit breaker is in ON position.
- \_\_\_\_\_ 14.0 Turn the radio select knob on the vehicle emergency radio to "Position 1". Set the hand held radio to "Position 5". Contact the EACC or RAC for a radio check.
- \_\_\_\_\_ 15.0 Initiate a Survey Team Log using Exhibit 13. The log should include:
- Dispatch locations and requested actions
  - Significant information (e.g., personnel or vehicle contamination, personnel over-exposure, requests for assistance, etc.)
  - Notifications of Emergency Classifications or Termination.

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EXHIBIT 2  
(Continued)

OCNGS FMT ACTIVATION CHECKLIST

Initials

- \_\_\_\_\_ 16.0 Notify the EACC or RAC that you are ready to be dispatched. Give the EAC/RAC the names, social security numbers, and remaining dose of each team member.
- If remaining dose is not known for a team member, information can be obtained from the RAC/RCC at the ECC, TSC, or OSC as appropriate.
- \_\_\_\_\_ 17.0 Proceed to the location directed by the EACC or RAC. If for some reason communications with the RAC or EACC are interrupted, one team will proceed to the nearest downwind sampling point identified in Exhibit 11. The second team will proceed on the plume search route as determined by the wind direction and the directions in Exhibit 12. Always continue to try and establish communications with the RAC or EACC. This is the preferred method of directions for the plume search.

Time Completed \_\_\_\_\_

Signature \_\_\_\_\_

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EXHIBIT 2B

Dose Rate and Count Rate Instrument Op Check

Perform the following for each of the three instruments

Initials

- \_\_\_\_\_ 1.0 Record instrument serial number.
- \_\_\_\_\_ 2.0 Record instrument calibration due date.
- \_\_\_\_\_ 3.0 Inspect instrument for physical damage.
- \_\_\_\_\_ 4.0 Inspect instrument for illegible labels.
- \_\_\_\_\_ 5.0 Perform a battery check.
- \_\_\_\_\_ 6.0 Obtain the button source from the lead pig within the locker. Source check the instrument for response.
- \_\_\_\_\_ 7.0 If the instrument fails any of the above checks, tag the instrument as bad and obtain a spare instrument. If no spare is available, contact the EAC/RAC. Document instructions in Survey Team Log.

NOTE

DOSE RATE instruments and their detector probes are calibrated as a single unit and probes must not be interchanged with other instruments.

	Dose Rate Meter	Count Rate Meter	Count Rate Meter
Serial Number			
Cal Due Date			
Physical Damage?	YES/NO	YES/NO	YES/NO
Illegible Labels?	YES/NO	YES/NO	YES/NO
Battery Check OK?	YES/NO	YES/NO	YES/NO
Source Check OK?	YES/NO	YES/NO	YES/NO

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EXHIBIT 2C

AC Air Sampler Op Check

Initials

- \_\_\_\_\_ 1.0 Record instrument serial number \_\_\_\_\_.
- \_\_\_\_\_ 2.0 Record instrument calibration due date \_\_\_\_\_.
- \_\_\_\_\_ 3.0 Visually inspect the air sampler for physical damage.
- \_\_\_\_\_ 4.0 Unscrew the Particulate Filter, Silver Zeolite Cartridge, and "O" rings from the air sampler head, inspect "O" rings for damage.
- \_\_\_\_\_ 5.0 Install a new Silver Zeolite Cartridge ensuring the arrow on the side of the cartridge points toward the air sampler.
- \_\_\_\_\_ 6.0 Install a new Particulate Filter ensuring the side of the filter which has a woven appearance is nearest to the Silver Zeolite Cartridge.
- \_\_\_\_\_ 7.0 Reassemble the air sample head and screw into the Air Sampler.
- \_\_\_\_\_ 8.0 Plug Air Sampler into 110V AC power source.
- \_\_\_\_\_ 9.0 Turn Air Sampler on.
- \_\_\_\_\_ 10.0 Adjust the flow control knob to achieve a 56 lpm (50-62 lpm) flow rate as indicated on calibrated paper scale.
- \_\_\_\_\_ 11.0 After ensuring the air sampler operates satisfactorily, turn off the air sampler and unplug the unit.
- \_\_\_\_\_ 12.0 If the instrument fails the Op check, tag the instrument as bad and obtain a spare. If no spare is available, contact the EAC/RAC. Document instructions in Survey Team Log.

Signature \_\_\_\_\_

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EXHIBIT 2D

DC Air Sampler Op Check

Initials

- \_\_\_\_\_ 1.0 Record instrument serial number \_\_\_\_\_.
- \_\_\_\_\_ 2.0 Record instrument calibration due date \_\_\_\_\_.
- \_\_\_\_\_ 3.0 Physically inspect the air sampler for physical damage.
- \_\_\_\_\_ 4.0 Ensure the 3 position switch (Charge-Off-Run) is in the Off position.
- \_\_\_\_\_ 5.0 Ensure the two Battery Clips are connected together to prevent sparking while air sampler is being handled or moved.
- \_\_\_\_\_ 6.0 Unscrew the Particulate Filter, Silver Zeolite Cartridge, and "O" rings from the air sampler head, inspect "O" rings for damage.
- \_\_\_\_\_ 7.0 Install a new Silver Zeolite Cartridge ensuring the arrow on the side of the cartridge points toward the air sampler.
- \_\_\_\_\_ 8.0 Install a new Particulate Filter ensuring the side of the filter which has a woven appearance is nearest to the Silver Zeolite Cartridge.
- \_\_\_\_\_ 9.0 Reassemble the air sample head and screw into the Air Sampler.
- \_\_\_\_\_ 10.0 Obtain the keys for the emergency monitoring vehicle.

NOTE

Keys for the Building 12 vehicle are in the monitoring kit equipment locker.

- \_\_\_\_\_ 11.0 Connect the Air Sampler Battery Clips directly to the vehicle's battery terminals.
- Black - Negative
  - Red - Positive
- \_\_\_\_\_ 12.0 Turn on the Air Sampler and enter the flow rate, \_\_\_\_\_ lpm.

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EXHIBIT 2D  
(Continued)

DC Air Sampler Op Check

Initials

- \_\_\_\_\_ 13.0 Turn off Air Sampler and disconnect the Air Sampler Battery Clips.  
Connect two Battery Clips together.
- \_\_\_\_\_ 14.0 Leave the DC air sampler in the vehicle.
- \_\_\_\_\_ 15.0 If the air sampler does not pass the Op check, tag the instrument as bad and obtain a spare. If no spare is available, contact the EAC/RAC. Document instructions in the Survey Team Log. In the event that the DC air sampler is used, ensure the EAC/RAC is aware of the flow rate.

Signature \_\_\_\_\_

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**15**EXHIBIT 3OCNGS FMT Termination ChecklistInitials

- \_\_\_\_\_ 1.0 Transport Field Monitoring Samples to the Offsite Sample Storage Facility, designated by the EAC. Use FRH6 key. This should be the Environmental Lab (Building No. 18) on the Forked River Site.

NOTE

For Drills and Exercises return all Field Monitoring Samples to the Environmental Controls Section for disposition.

- \_\_\_\_\_ 2.0 Place signed Team Logs/Inventory Forms and Data Forms with the Field Monitoring Samples.  
Turn in TLD's and completed Control Point Admission Tickets to the Dosimetry Radiological Support Group, normally located at Building No. 14 Processing Center, Forked River Site.

Contact EAC/RAC to determine where to turn in dosimetry if the center has been relocated.

NOTE

After a drill, dosimetry should be returned to the Monitoring Kit Instrument Locker in Building 12.

- \_\_\_\_\_ 3.0 Return vehicle to Building 12, and return keys to Monitoring Kit Instrument Locker.
- \_\_\_\_\_ 4.0 Return all the Emergency Monitoring Equipment to the Monitoring Kit Instrument Locker.
- \_\_\_\_\_ 5.0 Return hand held radio to the charging rack inside the Monitoring Kit Instrument Locker in Building 12.
- \_\_\_\_\_ 6.0 Complete and sign all logs and checklist. Return to Emergency Preparedness.

Time Completed \_\_\_\_\_

Signature \_\_\_\_\_

Title  
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**15**EXHIBIT 4Conduct of a Dose rate Survey

- 1.0 Ensure a pre-operational check has been completed for the dose rate instrument in accordance with Exhibit 2B.
- 2.0 Observe Cold Weather Operations Limitation described in Exhibit 1, Step 6.0.
- 3.0 Switch the dose rate instrument range selector switch to the highest scale that will give the operator a mid range meter reading.
- 4.0 Dose rate measurement should be performed approximately one meter (1m) above the ground (waist level) outside the emergency vehicle, unless directed otherwise by the RAC.
- 5.0 Record the survey results on Exhibit 18, Dose Rate Survey Record.
- 6.0 Determine if the survey location may be within the radioactive plume and advise RAC/EAC.
  - 6.1 IF Beta Gamma (OW) measurements are less than 110 % of the Gamma (CW) measurements,  
THEN dose rate measurements indicate that the plume is elevated over and/or horizontally displaced from the survey location.
  - 6.2 Identify on Exhibit 17, Dose Rate Survey Record, that the location is not in plume.
  - 6.3 IF Beta Gamma (OW) measurements are equal to or greater than 110% of the Gamma (CW) measurements,  
THEN dose rate measurements indicate that the plume may have touched down at the Survey locations → Take an air sample and contact the RAC/EAC.

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EXHIBIT 5

Conduct of a Count Rate Survey

- 1.0 Don surgeons gloves and obtain smear discs and sample envelopes from the Emergency Monitoring Kit.
- 2.0 Record Date, Time and Survey Location on sample envelope.
- 3.0 Wipe smear disc on horizontal surfaces to obtain a sample of 100 cm<sup>2</sup>.
- 4.0 Wipe the smear disc in a lazy S pattern approximately 16 inches long,  
Wipe smear disc in an area of approximately 4 inches by 4 inches.  
or
- 5.0 If smear samples are taken from a non-horizontal surface, provide a description of the sampled surface on the smear disc envelopes.
- 6.0 Determine Background Count Rate by reading count rate instrument with no sample present.

NOTE

The smear sample counting area background count rate must be less than 300 counts per minute (cpm) using a count rate instrument.

NOTE

A rough order of magnitude for Dose rate conversion to CPM is count rate (CPM) = 3000 x dose rate (mR/hr).

- 7.0 Record the Background counts per minute (Bcpm) on Exhibit 16, Count Rate Survey Record.
- 8.0 Obtain the smear Gross Count Rate.
  - Place detector probe within 1/2 inch of the smear disc with the sample surface toward the detector window.
  - Count the smear disc.
  - If activity is indicated within 15 seconds, allow the meter indicator to stabilize before recording.
  - Record the maximum smear sample Gross counts per minute (Gcpm) on Exhibit 15, Count Rate Survey Record.
  - Complete the appropriate data on Exhibit 15, Count Rate Survey Record.

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EXHIBIT 6Conduct of an Air Sample

## 1.0 Prerequisites

- The Air Sampler shall be located in a manner that will minimize cross contamination.
- All samples shall be labeled and saved for further analysis.

## 2.0 Set up Air Sampler if the filter and cartridge require replacement.

- Unscrew the particulate filter and Silver Zeolite Cartridge rings from the air sampler head.
- Install a new Silver Zeolite Cartridge ensuring the arrow on the side of the cartridge points toward the air sampler.
- Install a new particulate filter ensuring the side of the filter which has a woven appearance is nearest to the Silver Zeolite Cartridge.
- Reassemble the air sampler head and screw into air sampler.

NOTE

The air sampler is calibrated with both the Particulate Filter and Silver Zeolite Cartridge in place. Both must be in place even if an iodine sample has not been requested and the Silver Zeolite Cartridge will not be analyzed in the field.

- 3.0 Draw a 2 minute minimum air sample at 56 lpm (50-61 lpm) as indicated on the paper scale if possible using a watch, stopwatch, or timer to measure the time duration unless otherwise directed by the RAC/EAC.
- 4.0 Obtain a general area count rate with the count rate instrument and pancake probe at approx. waist level. If the background exceeds 300 CPM move to a location where the background is less than 300 CPM.
- 5.0 Record air sampler run time and flow rate on the Air Sample Data Collection Envelope and Exhibit 14.
- 6.0 Wearing protective gloves, unscrew the filter holder section of the sampler head from the Silver Zeolite cartridge holder section such that the particulate filter is held in place in the removed section.
- 7.0 Remove the retainer ring from the filter holder and obtain a count rate on the particulate filter by holding the front side of the filter holder against the pancake probe. Record the count rate as Gross CPM on Air Sampler Data Collection Envelope and on Exhibit 14.
- 8.0 Using tweezers, remove the filter from the holder. Place the filter in an Air Sample Data Collection Envelope.

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EXHIBIT 6  
(Continued)

Conduct of an Air Sample

- 9.0 Recount the filter holder without the particulate filter in place. Enter this count rate as background CPM on the Air Sample Data Collection Envelope and on Exhibit 14.
- 10.0 Subtract the background cpm (Bcpm) from gross cpm (Gcpm) and record as "Net cpm" on the Air Sample Data Collection Envelopes.
- 11.0 Measure the contact Dose Rate and record on the Air Sample Data Collection Envelope.
- 12.0 Retain the sample for later analysis.

NOTE

Monitor the driver and passenger area dose rates. If any area exceeds 2.0 mR/hr, notify the RAC/EAC and request guidance.

- 13.0 Wearing protective gloves remove the Silver Zeolite cartridge from the sampler head and place it in an Air Sample Data Collection Envelope.
- 14.0 Count both sides of the Silver Zeolite cartridge through the envelope. Record the higher count rate as "Gross" on the Air Sample Data Collection Envelope and on Exhibit 14.
- 15.0 Subtract the background cpm (Bcpm) from the gross cpm (Gcpm) and record the result as "Net cpm" on the Air Sample Data Collection Envelope.
  - Measure the contact dose rate and record on the Air Sample Data Collection Envelope
  - Retain the sample for later analysis.
- 16.0 Establish contact with the EACC/RAC.
- 17.0 Transmit the data from the Air Sample Data from Exhibit 14.

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EXHIBIT 7Conduct of Noble Gas Sampling

- 1.0 Obtain a 500 ml bottle that was prefilled with clean water. When a sample is needed, stand well away from vehicles or other obstructions (10 ft or greater), remove the cap and pour the water from the container. Cap or close the container.
- 2.0 Label the sample container with the date/time of collection, and location. Record the same information in the first two columns of Exhibit 15. Write "Noble Gas" in the 3rd column and leave the other columns blank.
- 3.0 Retain all samples for later counting and analysis.

NOTE

Monitor the driver and passenger area dose rates. If any area exceeds 2.0 mR/hr, notify the RAC/EAC and request guidance.

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EXHIBIT 8

Conduct of Soil or Snow Sampling

- 1.0 Soil and snow sampling shall be conducted with one team member collecting samples and the other team member providing radiation monitoring for the sample collector.
- 2.0 Obtain sample container and trowel from Emergency Monitoring Kit.
- 3.0 Label container with Time, Date, Monitoring Location, Type of Sample, and Dose rate.

Example:

Sample Label
Date _____ Time: _____
Sample Type _____
Sample Location _____
Contact Dose Rate _____ mr/hr _____ mr/hr (OW) (CW)
Background _____ bcpm Contact count rate _____ gcpm
_____ Initials

- 4.0 Choose a sample area free from leaves, grass and other vegetation.
- 5.0 Wearing protective gloves scrape approximately the top 1/2 inch of soil or snow with trowel and place into container until full. Cap container.
- 6.0 Perform a contact dose rate survey of container with a dose rate meter.
- 7.0 Record dose rate on label.
- 8.0 If contact dose rate is less than 0.2 mR/hr, perform a contact count rate measurement of sample container.
  - Measure Background Count Rate (bcpm)
  - Measure Sample Contact Count Rate (gcpm)
- 9.0 Complete the appropriate data on Exhibit 16.
- 10.0 Record the following on the sample label
  - Background Count Rate bcpm
  - Gross Count Rate gcpm
- 11.0 Save all samples for future analysis.
- 12.0 Surgeon's gloves should be changed after each sample is collected to prevent cross-contamination.

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EXHIBIT 9

Conduct of Vegetation Sampling

- 1.0 Vegetation sampling shall be conducted with one team member collecting samples and the other team member providing radiation monitoring for the sample collector.
- 2.0 Obtain clippers and medium plastic bag from Emergency Monitoring Kit.
- 3.0 Label sample bag with Time, Date, Monitoring Location, Type of Sample, and Dose rate.

Example:

Sample Label
Date _____ Time: _____
Sample Type _____
Sample Location _____
Contact Dose Rate _____ mr/hr _____ mr/hr (OW) (CW)
Background _____ bcpm Contact count rate _____ gcpm
_____ Initials

- 4.0 Wearing protective gloves, take as large a sample of green (living) vegetation as can be fit into bag.

NOTE

Do NOT include soil, large branches or roots.

NOTE

Always collect samples that are downwind from you; i.e., wind is blowing on your back.

- 5.0 Place sample in bag.
- 6.0 Seal the bag and perform a Contact Dose Rate.
- 7.0 Record Dose rate on label.

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- 8.0 If contact dose rates are less than 0.2 mR/hr, perform a contact count rate measurement of sample container.
- Measure Background Count Rate (bcpm)
  - Measure Sample Contact Count Rate (gcpm)
- 9.0 Complete the appropriate data on Exhibit 16.
- 10.0 Record the following on the sample label
- Background Count Rate bcpm
  - Gross Count Rate gcpm
- 11.0 Save all samples for future analysis.
- 12.0 Surgeon's gloves should be changed after each sample is collected to prevent cross-contamination.

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EXHIBIT 10

Conduct of Water Sampling

- 1.0 Water sampling shall be conducted with one team member collecting samples and the other team member providing radiation monitoring for the sample collector.

CAUTION

Use life vest when collecting water samples from bodies of water i.e. lakes, bay, ocean.

- 2.0 Obtain empty plastic screw-top sample bottle and a plastic bag.
- 3.0 Label bag with Time, Date, Monitoring Location, Type of Sample, and Dose rate.

Example:

Sample Label
Date _____ Time: _____
Sample Type _____
Sample Location _____
Contact Dose Rate _____ mr/hr _____ mr/hr
Background _____ (OW) _____ (CW)
Contact count rate _____ gcpm
_____ Initials

- 4.0 Wearing protective gloves, remove cap, submerge bottle, rinse and discard water. Submerge bottle in water to obtain a surface sample. Take care not to disturb sediment.

CAUTION

Use caution as the bottle may now be contaminated.

- 5.0 Recap bottle and place in a plastic bag. Seal the bag.
- 6.0 Perform a Contact Dose Rate survey of the bottle through the plastic bag.
- 7.0 Record Dose Rate on sample label.

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**15**EXHIBIT 10 (Continued)Conduct of Water Sampling

- 8.0 If contact dose rates is less than 0.2 mR/hr, perform a contact count rate measurement of sample container.
- Measure Background Count Rate bcom
  - Measure Sample Contact Count Rate gcpm
- 9.0 Record the appropriate data on Exhibit 16.
- 10.0 Record the following on the sample label
- Background Count Rate bcpm
  - Gross Count Rate gcpm
- 11.0 Save all samples for future analysis.
- 12.0 Surgeon's gloves should be changed after each sample is collected to prevent cross-contamination.

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EXHIBIT 11  
OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N.J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9) DIRECTIONS
N1	--- Crest OC-3	0°	0.65/ 1045.9	East end of old Energy Spectrum parking lot	Left onto Rt. 9, left just after intake canal, and proceed to the old site of the Energy Spectrum
N2	---	7°	1.2/ 1930.8	Intersection of Taylor Lane and Kennebec Rd.	Left onto Rt. 9, left onto Taylor Lane, proceed 0.2 mile to Kennebec Rd.
N2a	N-2 -1 Crest OC-11	2°	1.8/ 2896.2	Playground Lakeside Drive at Moose Head St.	Rt. 9 north Lakeside Drive, left onto Lakeside Dr. 3/4 miles to playground at intersection with Moose Head St.
N3	---	352°	2.5/ 4022.5	Along curb adjacent to park at intersection of Lakeside Dr. and Deer Head Lake Drive	Left onto Rt. 9 approx. 1.5 miles to Lakeside Dr., left onto Lakeside Dr. to Deer Head Lake Drive
N4	N-4 -1	354°	3.2/ 5148.8	Lacey Township Municipal Bldg. parking lot. 110 AC available	Left onto Rt. 9 to Rt. 614 (Lacey Rd.), left onto Lacey Road 1.7 miles to Lacey Township Municipal Bldg. on right
N5	N-5 -1	354°	4.21/ 6773.9	North commuter parking lot at Forked River service area on G.S. Pkwy. 110 AC available	Left onto Rt. 9 to Rt. 614 (Lacey Rd.), left onto Lacey Road to G.S. Pkwy., north on Pkwy to Forked River service area
N6	---	356.5°	4.45/ 7160	Approx. 1/3 mile west of Central Regional High School along Pinewald-Keswick Rd. at junction with G.S. Pkwy.	Left onto Rt. 9 to Rt. 614 (Lacey Rd.), left onto Lacey Rd. to G.S. Pkwy. North on Pkwy. for 2.2 miles at overpass of Pinewald-Keswick Rd. Mile Post 77.2
N10	---	3°	9.6/ 15.446	Ocean County Courthouse (EOC) Toms River, parking log. 110 AC available	Left onto Rt. 9 to Rt. 614 (Lacey Rd.), left onto Lacey Rd. to G.S. Pkwy north to Exit 81, east on Water St. for 0.5 mile to Main St., left one block to Washington St., right on Washington to 2nd left to Horner St.

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N10a	---	359°	8.75/ 14.078	Left side of road before traffic light at intersection of G.S. Pkwy, Rt. 530 (Dover Rd.) and Rt.9	Left onto Rt. 9, continue left at Rt. 166 junction to G.S. Pkwy. Interchange approaching intersection of Rt. 530 (Dover Rd.), left to roadside area before intersection.
N20	N-20	351.5°	10.8/ 17,377	Rt. 37, DOT Maintenance Yard West of Mule Rd. South side Rt. 37	Left onto Rt. 9 to Rt. 614 (Lacey Rd.) to G.S. Pkwy., North to Exit 82W, 1.9 mile west to DOT Maintenance Yard on left using jug handle west of Mule Road
NNE1	--- CREST OC-6	19°	0.45/ 724.0	Rt. 9 mile mrkr 80 at O.C. intake canal	Left onto Rt. 9 to intake canal bridge at mile marker 80
NNE1a	---	23°	0.7/ 1126.3	Intersection of Biscayne Dr. and Nantucket Dr.	Left onto Rt. 9, 0.7 mile to traffic light at Beach Blvd., right on Beach Blvd. to Biscayne Dr. (1 <sup>st</sup> right) to Nantucket Rd.
NNE2	NNE-2 -1	23.5°	1.7/ 2735.3	Forked River State Marina SW corner of parking lot. 110 AC available	Left onto Rt. 9, 1.6 mile to Forked River State Marina
NNE3	---	24.5°	2.5/ 4022.5	Intersection of Rt. 9 and Sunrise Blvd.	Left onto Rt. 9, 2.6 miles to Sunrise Blvd.
NNE4	---	27°	3.7/ 5953.3	Intersection of Rt. 9 and Laurel Blvd. parking lot	Left onto Rt. 9, 3.9 miles to Laurel Blvd.
NNE5	---	26°	4.6/ 7401.4	Intersection of Rt. 9 and WOBM access road	Left onto Rt. 9, 4.9 miles to WOBM radio station access road
NNE6	---	24°	5.6/ 9010.4	Rt. 9, Pinewald Substation, 0.1 miles North of Serpentine Dr.	Left onto Rt. 9, 6.2 miles on right, 0.1 miles North Serpentine Dr. at large metal utility poles
NNE6a	---	32.5°	6.8/ 10,941	Edge of Bay, Bay Blvd.	Left onto Rt. 9, 6.2 miles to Bay Blvd. east on Bay Blvd. to end of road

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NNE7	NNE-7- 1	23.5°	6.0/ 9654.0	Bayville First Aid, Rt. 9, Bayville, 110 AC available	Left onto Rt. 9, approx. 6.4 miles to Bayville, Rt. 9 @ Station Blvd.
NNE10	---	21.5°	7.55/ 12,148	Intersection of Rt. 9, Veeder Lane, Ocean Gate Dr. & Mill Creek Rd. parking lot	Left onto Rt. 9, 7.6 miles to multi-point intersection, just past MacDonald's to parking area near intersection on right
NNE10a	---	22.5°	8.65/ 13,918	Intersection of Chelsea Ave and Ocean Gate Drive	Left onto Rt. 9, 7.6 miles, go past MacDonald's, right on Ocean Gate Dr. to Chelsea Ave (near end)
NNE10b	---	16.5°	9.9/ 15,929	Intersection of Rt. 37 and Vaughn Ave, lot on first jug-handle exit from Rt. 37	Left onto Rt. 9 to Rt. 614 (Lacey Rd.) to G.S. Pkwy. to Rt. 37 (Exit 82) east approx. 2.9 miles to Vaughn Ave intersection right jughandle
NNE20	---	27.5°	10.5/ 16,895	Bay Bridge Inn parking lot near Rt. 37 and west end of bridge at west shore of Barnegat Bay	Left onto Rt. 9 to Rt. 614 (Lacey Rd.) to G.S. Pkwy., Exit 82, to Rt. 37 east to bridge, right into parking lot
NE1	---	47°	0.3/ 482.7	Intersection of Rt. 9 and farm road	Left onto Rt. 9, 0.2 miles to first right at farm road
NE1a	---	42°	0.9/ 1448.1	#732 Bermuda Dr. near Nantucket Rd.	Left onto Rt. 9 to first traffic light, right onto Beach Blvd. to Bermuda Dr., right to end of road. Address #732. Just past Nantucket Rd.
NE2	---	41°	1.6/ 2574.4	Captain's Inn, Lacey Rd. parking lot at rear	Left onto Rt. 9 to second traffic light, right onto Lacey Rd. to Captain's Inn (near end of road)
NE3	--- CREST OC-12	42.5°	2.4/ 3861.6	Game Farm Ocean Residential Group Center	Left onto Rt. 9, beyond second traffic light, right onto Game Farm Rd. (concrete parking lot near buildings)

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NE4	---	51°	3.1/ 4987.9	End of Sail Dr. near intersection of Sunrise Blvd.	Left on Rt. 9, north 2.6 miles to Sunrise Blvd., turn right, go approx. 1.4 miles to Sail Dr. (at bend in road), left on Sail Dr.
NE5	NE- 5-1	47°	4.8/ 7723.2	Laurel Blvd. Address #1063. (NJ Location #1068)	Left on Rt. 9, 3.9 miles (past 2nd traffic light) to Laurel Blvd., right on Laurel Blvd. at curve (at street light,) address #1063
NE10	---	44°	9.5/ 15,286	Intersection of Central Ave. and 14th St., Seaside Park	Left onto Rt. 9, left at 2nd traffic light onto Rt. 614 (Lacey Rd.) to G.S. Pkwy., north to Exit 82E, east onto Rt. 37 over bridge to Rt. 35 south (Central Ave), right onto Central Ave. to intersection of Central Ave. and 14th St.
NE20	---	37°	11.8/ 18,986	Near intersect-ion of Rt. 37 access road and Rt. 35 north (Central Ave.)	Left on Rt. 9, left at 2nd traffic light on Rt. 614 (Lacey Rd.) to G.S. Pkwy., north to Exit 82 east on Rt. 37, cross bridge to Rt. 35 north, exit. At first traffic light, turn right, "U-Turn" onto service rd. area
ENE1	---	70°	0.25/ 402.3	Yellow N.J. Natural Gas Co. marker approx. 100 yds. north of main entrance	Left onto Rt. 9, approx. 25 yds. south of North Gate access road on left
ENE2a	---	67°	1.15/ 1850.4	Intersection of Tampa Rd. and Sandy Hook Dr. (#701 Tampa Rd.)	Left onto Rt. 9 to 1st traffic light (Beach Blvd.), right onto Beach Blvd. to Forked River Bridge. Just over bridge turn right onto Sandy Hook Dr. to second left (Tampa Rd.)
ENE2	ENE- CREST OC-4	59.5°	1.15/ 1850.4	Beach Blvd. to left side of road after crossing Forked River Bridge	Left onto Rt. 9 to 1st traffic light (Beach Blvd.), right onto Beach Blvd. to southeast end of Forked River Bridge

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ENE3	---	70°	2.3/ 3700.7	Intersection of Beach Blvd. and Tamiami Road	Left on Rt. 9 to 1st traffic light (Beach Blvd.), right onto Beach Blvd., over Forked River Bridge to next bridge (wooden) continue over bridge to right fork (Tamiami Rd.)
ENE4	---	58°	3.7/ 5953.3	Parking lot at Sunrise Beach Club	Left on Rt. 9 to Sunrise Blvd., right on Sunrise to Capstan Dr. on left. Capstan Dr. straight to Sunrise Beach Club
ENE7	---	67°	6.3/ 10,137	Island Beach State Park service area parking lot between north and south swimming area parking lots	Left onto Rt. 9 to 2nd traffic light, Rt. 614 (Lacey Rd.), left on Lacey Rd. to G.S. Pkwy. North on Pkwy. to Exit 82E, east on Rt. 37 across bridge to Rt. 35 south (Central Ave.) to Is. Beach State Park, 3.5 mi. south of park entrance gate to swimming area parking lots
ENE10	---	60°	7.35/ 11,826	Island Beach State Park, 2.5 miles south of park entrance at chained access road, on right	Left on Rt. 9 to 2nd traffic light, Rt. 614 (Lacey Road), left on Lacey Rd. to G.S. Pkwy North on Pkwy. to Exit 82E, east on Rt. 37 across bridge to Rt. 35 south (Central Ave.) to Island Beach State Park, 2.5 miles south of park entrance gate to intersection of chained access road on right
E1	--- CREST OC-7	82°	0.3/ 482.7	Opposite Main Gate on Rt. 9	Exit Main Gate onto Rt. 9
E1a	---	87.5°	0.85/ 1367.7	The Farm Area Northeast corner of dredge spoils basin	Left onto Rt. 9, right at first farm road to second left to corner of dredge spoils basin. Key for gate lock in FMT vehicle
E2	---	87°	1.6/ 2574.4	Intersection of Albatross Ct. and Orlando Dr.	Left onto Rt. 9, right at 1st traffic light to Forked River Bridge, cross bridge to Elks Club, right on Club House Dr., 4 blocks to Orlando Dr., left on Orlando Dr. to Albatross Ct. (second left)

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E7	---	94.5°	5.9/ 9493.1	Old Coast Guard Station Watch Tower, Island Beach State Park 110AC	Left onto Rt. 9, left at 2nd traffic light onto Rt. 614 (Lacey Rd.) to G.S. Pkwy., north to Exit 82E, east on Rt. 37 to Rt. 35 south (Central Ave.) to Is. Beach State Park, to 7 miles south of entrance gate to station on left
ESE1	---	111°	0.3/ 482.7	Yellow marker (NJ Natural Gas Co.) 0.1 mile south of O.C. Main Gate	Right onto Rt. 9, approx. 0.1 mile south of O.C. Main Gate
ESE1a	ESE-1- 1	111°	0.8/ 1287.2	Fork area formed at intersection Bay Pkwy. and Dock Ave. Willow also intersects here	Right onto Rt. 9, 0.5 mile, left on Bay Pkwy. to intersection with Willow and Dock Avenues
ESE2	--- CREST OC-14	109.5°	1.85/ 2976.7	End of Bay Pkwy. at Barnegat Bay	Right onto Rt. 9, 0.5 mile, left on Bay Pkwy. to end of street at Barnegat Bay
ESE7	---	109°	6.3/ 10,137	Island Beach State Park southern end of paved park road	Left onto Rt. 9 to 2nd traffic light, Rt. 614 (Lacey Rd.), left onto Lacey Rd. to G.S. Pkwy. North on Pkwy. to Exit 82E, east on Rt. 37 across bridge to Rt. 35 south (Central Ave) to Island Beach State Park; go 8.2 miles south of park entrance to southern end of paved road
SE1	---	126°	0.36/ 579.2	Rt. 9, south of South Access Rd., south of discharge canal bridge	Right onto Rt. 9, over discharge canal bridge, just past South Access Road
SE1a	--- OC-5	140°	0.5/ 804.5	Southeast corner of Bay Pkwy., along Rt. 9, next to residence at 2 Bay Parkway	Right onto Rt. 9, left on Bay Parkway

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SE2	---	130°	1.7/ 2735.3	South end of Shore Dr. and on Barnegat Bay, Waretown	Right onto Rt. 9, approx. 0.75 mile, left onto Main St., 0.4 mile to Lighthouse Dr., left onto Lighthouse Dr. to Shore Dr., right onto Shore Dr. to end of Shore Dr.
SE7	SE-	127°	6.3/ 10,137	Across the street from the Coast Guard Station on Bayview Ave., Barnegat Light Borough	Right onto Rt. 9 to intersection of Rt. 72, east onto Rt. 72 to Long Beach Blvd., left onto Long Beach Blvd., left onto 6th St. to Bayview Ave., left onto Bayview Ave. and across the street from the Coast Guard Station
SSE2a	---	164°	1.6/ 2574.4	Waretown Vol. Fire Co.	Right onto Rt. 9, 1.6 miles, right onto Rt. 532, 1 block, building on left
SSE2	SSE-2- 1	154°	1.55/ 2494.0	Area east side of Main St. and south of Skippers Blvd.	Right onto Rt. 9, 0.75 mile, left onto Main St., 0.75 mile to just past intersection with Skippers Blvd.
SSE3	SSE3 Crest OC-2	166°	1.7/ 2735.3	Township of Ocean Municipal Building Coraliss and Railroad Ave.	Township of Ocean Municipal Building parking lot Route 9 to Rout 532. West on Route 532 to Coraliss St. Left on Coraliss to Railroad Ave.
SSE4	---	164°	2.65/ 4263.9	Lagoon (BBCA Recreation Area) near Bonita Blvd.	Right onto Rt. 9, 2.2 miles, left onto Barnegat Beach Dr., 0.6 mile, right on Lagoon View Rd., 1-1/2 blocks to area on left next to lagoon
SSE10	---	153°	8.3/ 13,355	Intersection south Anchor St. with Harvey Cedars Water Stand Pipe	Right onto Rt. 9 to intersection of Rt. 72, east onto Rt. 72 to intersection of Long Beach Blvd., left onto Long Beach Blvd. to intersection of West 80th St. to intersection with S. Anchor St. and Harvey Cedars Water Stand Pipe

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S2	--- CREST OC-15	184°	1.6/ 2574.4	0.7 mile west of Rt. 9 on Rt. 532	Right onto Rt. 9, right onto Rt. 532, 0.7 mile just beyond residence #172 and dirt lane
S3	S-3 -1	178°	2.3/ 3700.7	Waretown Substation	Right onto Rt. 9, 2.5 miles, 10 yards in from Rt. 9, pole No. R 144 Z, JC 83. Residence #13
S3a	---	182.5°	2.6/ 4183.4	Along Rt. 9, Waretown junction	Right onto Rt. 9, 2.9 miles, pole #BT 1545 and 4" x 4" timber with gas pipeline leakage tester attached
S4	---	176°	3.2/ 5148.8	Pebble Beach Water Tower	Right onto Rt. 9, 3.2 miles, left onto Seneca Blvd. to intersection of Eighth St. and Water Tower
S5	S-5 -1	187°	4.45/ 7160.0	Roadside area, Barnegat Service Pole #27 on East Bay Ave.	Right onto Rt. 9, 4.8 miles, left on East Bay Ave., 0.6 miles, to intersection of Lower Shore Road.
S7	---	183°	6.3/ 10,137	End of Taylor Lane at gate	Right onto Rt. 9, 6.2 miles, left onto Taylor Lane (dirt road), 1.6 miles to end of road at gate
S10	---	186°	9.65/ 15,527	Intersection of Bay Ave.	Right onto Rt. 9 to Rt. 72, east on Rt. 72 for 2.5 miles, turn left, go 0.2 mile to intersection of Bay Ave.
S20	---	169°	10.65/ 17,136	Surf City Stand Pipe	Right onto Rt. 9 to Rt. 72, east on Rt. 72 to end at Long Beach Blvd., left onto Long Beach Blvd., left onto N. 14th St. to Surf City Water Pipe on right
SSW2	---	210°	1.7/ 2735.3	Intersection of Rt. 532 and Laurelwyck Dr.	Right onto Rt. 9 to right on Rt. 532 (Wells Mills Rd.), 1.3 miles to intersection on left
SSW4	---	205.5°	3.45/ 5551.1	End of Rose Hill Rd. at cemetery	Right onto Rt. 9, 4.4 miles to right on Rose Hill Rd., one mile to cemetery.

Title  
**Emergency Radiological Surveys Offsite**

Revision No.  
**15**

EXHIBIT 11

(continued)

OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N.J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9). DIRECTIONS
SSW5a	---	210.5°	4.5/ 7240.5	Opposite G.S. Pkwy Maintenance Area on Rt. 554, east of Garden State Parkway	Right onto Rt. 9 to third traffic light. Right on Rt. 554 (Bay Ave.) to Parkway entrance area
SSW5	---	193.5°	4.35/ 6999.2	Barnegat Township Municipal Bldg.	Right onto Rt. 9, 4.8 miles, right on Rt. 554 (Bay Ave.) 50 yards on right
SSW7	---	197°	5.8/ 9332.2	Rt. 9 and Taylor Lane	Right onto Rt. 9, 6.2 miles, left onto entrance of Taylor Lane
SSW10	---	199°	7.5/ 12,068	Southern Reg'l High School	Right onto Rt. 9, 8.2 miles, right onto parking lot north of buildings
SSW10a	---	200°	9.0/ 14,481	Entrance to Atlantic City Electric Co. substation on Rt. 9	Right onto Rt. 9, 10 miles to paved entrance of substation on left side of road
SSW20	---	201°	11.0/ 17,699	Dinner Point dr. Staffordville	Right onto Rt. 9, 11.9 miles to Staffordville, left onto Dinner Point Dr., 25 yds. on left side of road
SW2	--- CREST OC-8	221°	1.8/ 2896.2	Ocean County Cemetery on Rt. 532	Right onto Rt. 9 to first traffic light, right onto Rt. 532 (Wells Mills Rd.), 1.75 miles to cemetery
SW3	---	227.5°	2.15/ 3459.5	Intersection of Rt. 532 and G.S. Pkwy.	Right onto Rt. 9, right onto Rt. 532 (Wells Mills Rd.) to intersection with G.S. Pkwy.
SW4	SW- 4-1	219°	3.45/ 5551.1	Barnegat Toll booth on G.S. Pkwy. 110 AC	Right onto Rt. 9, right onto Rt. 532 (Wells Mills Rd.) to G.S. Pkwy. south, right side of road just beyond toll booth near telephone booth.
SW5	---	217°	4.5/ 7240.5	Parking area between 1st and 2nd Sts. west of G.S. Pkwy. exit ramp, 110 AC	Right onto Rt. 9 to Rt. 554 Bay Ave. Right onto Rt. 554 to first right after G.S. Pkwy. exit (First St.)

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EXHIBIT 11

(continued)

OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N. J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9) DIRECTIONS
SW7	---	228.5°	7.2/ 11,585	Intersection of Meadow Rd. and Rt. 72 at Fawn Lakes	Right onto Rt. 9, right onto Rt. 532 (Wells Mills Rd.) to G.S. Pkwy. south; south to Exit 67 onto Rt. 554 west to 72 east to Meadow Rd. at Fawn Lakes
SW10	---	229°	8.9/ 14,320	Intersection of Hay Rd. and Micaja's Rd. NOTE: unimproved dirt road	Right onto Rt. 9, south to Rt. 72, west onto Rt. 72. Approx. 100 yds. past G.S. Pkwy. intersection to Recovery Rd. on south side of Rt. 72, right onto Hay Rd. Approx. 3 miles to Micaja's Rd.
SW20	---	214.5°	13.2/ 21,239	Intersection of Rt. 539 and G.S. Pkwy.	Right onto Rt. 9, right onto Rt. 532 to G.S. Pkwy. Take Pkwy. south to Exit 58 (Tuckerton) and make right onto Rt. 539. Park along right side of road
WSW1	--- CREST OC-9	249°	0.3/ 482.7	Southwest corner of O.C. substation, 110 AC	Right onto Rt. 9, over discharge canal bridge, right on South Access Road to substation
WSW2	---	247.5°	1.55/ 2494.0	G.S. Pkwy. picnic area	Left onto Rt. 9, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy. Take pkwy. north to Forked River service area on left. Make U-turn and go south into picnic area on left at mile marker 71.5
WSW3	--- CREST OC-1	240°	2.5/ 4022.5	Ocean County Voc. School	South on Rt. 9, right on Rt. 532 0.6 mi. beyond G.S. Pkwy. on left
WSW4	WSW- 4-1	251.5°	3.75/ 6033.5	Intersection of Rt. 532 and Bryant Rd.	South on Rt. 9, right onto Rt. 532, continue 4.4 miles to dirt road on right (Bryant Rd.) just before steel guard rail
WSW5	---	255°	4.35/ 6999.2	Intersection of Rt. 532 and dirt road	Right on Rt. 9, right onto Rt. 532, continue 4.85 miles to dirt road on right

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EXHIBIT 11

(continued)

OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N.J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9) DIRECTIONS
WSW6	---	254°	5.3/ 8527.7	Junction Rt. 532 and Rt. 611 (Brookville Rd) opposite Southern Ocean Landfill entrance	Right on Rt. 9, right onto Rt. 532, 6 miles to junction of Rt. 611 (Brookville Rd.) on left opposite Landfill entrance
WSW10	---	252°	7.5/ 12,068	Intersection of Rt. 532 and Rt. 72	Right onto Rt. 9, right onto Rt. 532 to intersection of Rt. 72 (Barnegat Rd.)
WSW20	---	243°	11.45/ 18,423	End of Rt. 608 (Simm Place Rd.) at gate	Right onto Rt. 9, right onto Rt. 532. At intersection of Rt. 532 and Rt. 72 and Rt. 610 go straight on Rt. 610 to intersection of Rt. 539, turn left, 1 mile to Rt. 608, stop at end of road.
W2	---	270°	1.25/ 2011.3	G.S. Pkwy. right side grass area at mile marker 72.2	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy. north to service area, turn south on Pkwy. to mile marker 72.2
W2a	W-2-1	269°	1.3/ 2091.7	G.S. Pkwy. picnic area at mile marker 72.1	Left onto Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy. north to service area, turn south on Pkwy. to mile marker 72.1
W7	---	259°	6.7/ 10,780	0.6 mile north of Rt. 532 on Jones Rd.	Right on Rt. 9 to 1st traffic light (Rt. 532), right on Rt. 532 through intersection with Rt. 611 (Brookville Rd.) 1.2 miles to dirt access road on right (Jones Rd.), continue 0.6 mile to fork
W10	---	260°	9.15/ 14,722	Intersection of Rt. 72 (Barnegat Rd.) and Rt. 539 (Warren Grove - Whiting Rd.)	Right on Rt. 9 to Rt. 532, right on Rt. 532 to Rt. 72 (Barnegat Rd.). North on Rt. 72 to intersection with Rt. 539 (Warren Grove - Whiting Rd.)

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OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N. J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9) DIRECTIONS
W20	---	276°	14.0/ 22,526	Intersection of Rt. 72 (Barnegat Rd.) and Rt. 532	Right on Rt. 9 to Rt. 532, turn right onto Rt. 532 to Rt. 72 north. Approx. 7.3 miles to left fork junction with Rt. 532
WNW1	--- CREST OC-16	284°	0.6/ 965.4	Forked River Met Tower	Left on Rt. 9, first left after intake canal, travel west past the old site of the Energy Spectrum until 230V highline. Turn right onto dirt road. Unlock gate at south branch of Forked River, (key with Met Tower keys) continue across bridge and follow curve to the right. Turn right at second road (directly west of Met Tower) and continue to tower sight.
WNW2	---	291°	1.35/ 2172.2	G.S. Pkwy., right side at mile marker 72.4	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy. north to service area, turn south on Pkwy. to mile marker 72.4
WNW10	---	285°	9.7/ 15,607	Rt. 539 (Warren Grove - Whiting Rd.) where it crosses over Chamberlain Brook	Right on Rt. 9 to 1st traffic light, right on Rt. 532 to Rt. 72, right on Rts. 71/532 to Rt. 539 (Warren Grove - Whiting Rd.), north on Rt. 539, approx. 3.3 miles to Chamberlain Brook
NW2	---	322.5°	1.7/ 2735.3	G.S. Pkwy. mile marker 73.0	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy. north to service area, turn south on Pkwy. to mile marker 73.0
NW6	---	322°	5.95/ 9573.6	Rt. 614 (Lacey Rd.) 0.1 mile down dirt road (west of Cranberry Bog)	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to mile marker 7 (3.2 mi. west of G.S. Pkwy.), dirt access road on left after mile marker 7

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EXHIBIT 11

(continued)

OFFSITE MONITORING POINTS

EMERGENCY SAMPLE LOCATION	N. J. STATE NO.	AZIMUTH	DISTANCE (MILES/ METERS)	LOCATION	(From OCNCS Main Gate & Rt. 9) DIRECTIONS
NW10	---	314°	8.7/ 13,998	Intersection of Rt. 614 (Lacey Rd.) and Good Luck Rd.	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to mile marker 5 (5.3 mi. west of G.S. Pkwy.) at Good Luck Rd. intersection
NW20	---	317°	13.3/ 21,400	Town of Whiting, junction at RR tracks and Whiting - Lacey Rd.	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.), past Bamber Lake to Town of Whiting (RR tracks)
NNW3	---	340°	2.77/ 4449	G.S. Pkwy. mile marker 74.4	Left on Rt. 9 to 2nd traffic light, left on Rt. 614 (Lacey Rd.) to G.S. Pkwy., north to service area (1/2 mile) on left, enter service area, turn south on Pkwy. to mile marker 74.4
NNW4	---	348°	3.5/ 5631.5	Intersection of Rt. 614 (Lacey Rd.) and G.S. Pkwy.	Left onto Rt. 9, left at 2nd traffic light on Rt. 614 (Lacey Rd.) to intersection of G.S. Pkwy.
NNW5	---	331°	4.65/ 7481.9	Roadside at Pole #BT4112 at Rt. 614 (Lacey Rd.) at Deep Hollow Creek (intermittent stream)	Left onto Rt. 9, left at 2nd traffic light onto Rt. 614 (Lacey Rd.), 1.7 miles west of G.S. Pkwy.
NNW10	---	339°	7.9/ 12,711	Just before intersection of Pinewald - Keswick Rd. and Rt. 530 (Dover Rd.) on rt.	Left onto Rt. 9, left at Rt. 618 (Central Pkwy. opposite Butler Blvd.) to Rt. 530 (Dover Rd.)
NNW20	---	342°	12.55/ 20,193	Intersection of Rt. 37 and Northampton Rd.	Left onto Rt. 9, left at 2nd traffic light onto Rt. 614 (Lacey Rd.) to G.S. Pkwy., north to Exit 82, west on Rt. 37, 3.75 miles from Pkwy. exit, turn right to offstreet parking

Title

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**15**EXHIBIT 12PLUME SEARCH ROUTES

1. If the wind is from the north/northeast, proceed south from the plant on Route 9 to Route 72. West on Route 72 to Route 539 follow Route 539 north to Lacey Road, follow Lacey road to Route 9, then return to the plant on Route 9.
2. If the wind is from the south/southeast, proceed north from the plant on Route 9 to Route 530 (South Toms River), follow Route 530 to Route 539, follow Route 539 south to Route 72, follow Route 72 east to Route 554, continue east on Route 554 to Route 9 in Barnegat, follow Route 9 north to the plant.
3. If the wind is from the southwest, proceed north on Route 9 to Ocean Gate; however, DO NOT proceed to Seaside Heights/Island beach State Park until communications have been established with the EAC. Proceed to Seaside Heights and Island Beach State Park ONLY when directed to do so by EAC.
4. If the wind is from the northwest, proceed south from the plant on Route 9 to Route 72 at Manahawkin, east on Route 72 to Long Beach Boulevard on Long Beach Island, proceed north on Long Beach Boulevard to Barnegat Lighthouse State Park.

NOTE

Plume searches should be conducted while driving at no more than 30 mph. The location of the plume edges and centerline, along with the magnitude of the open and closed window readings at the plume centerline should be recorded and transmitted to the RAC/EAC. Unless otherwise directed, the plume search should be conducted with the dose rate instrument detector held outside the vehicle window.







EXHIBIT 14

Sample Record

TEAM: \_\_\_\_\_

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

#	Time	Location	SURVEY		AIR SAMPLE				
			Window Closed mR/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									

E14-1

Signed: \_\_\_\_\_  
Team Member







Title <b>PERSONNEL ACCOUNTABILITY</b>	Revision No. <b>8</b>
Applicability/Scope Applies to work at Oyster Creek Division & Support Divisions	Responsible Office Emergency Prep
This document is within QA plan scope <u>  X  </u> Yes <u>  </u> No Safety Reviews Required <u>  X  </u> Yes <u>  </u> No	Effective Date Date of Sale

Prior Revision   7   incorporated the following Temporary Changes:

  N/A  

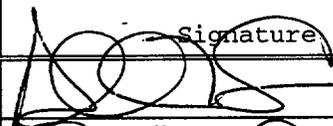
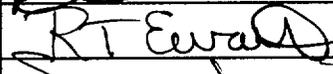
This Revision   8   incorporates the following Temporary Changes:

  N/A  

List of Pages (all pages rev'd to Rev. 8)

- 1.0 to 5.0
- E1-1 to E1-3
- E2-1 to E2-3
- E3-1 to E3-2
- E4-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/5/00
Concurred By		Site Security Manager	1-11-2000
Approved By		Director Ops & Mtce.	1-7-00
		Manager, Emergency Preparedness	1/11/00

Title  
**PERSONNEL ACCOUNTABILITY**

Revision No.  
**8**

DOCUMENT HISTORY

REVISION	EFFECTIVE DATE	DESCRIPTION OF CHANGE	PREPARED BY: REVIEWED BY: APPROVED BY:
2	04/94	Provide notes in Exhibit 2 to clarify Radwaste Operator accountability.	
3	07/94	Move Rad Con locker into Warehouse at Security Control Point for accessibility.	
4	03/95	Provide EAAC Interim Coverage on Backshifts.	
5	04/97	Add OCAB Cafeteria as EAA	T. Blount
6	10/97	Add OCAB Cafeteria Phone Numbers	A. Smith
7	12/98	Clarify OCAB phone numbers as primary and back-up. Numbers stayed same.	A. Smith
8	DOS	Delete Home Base # from cover page	A. Smith

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**PERSONNEL ACCOUNTABILITY**

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**8**

1.0 PURPOSE

- 1.1 This procedure provides the method of conducting an accounting of personnel in the protected area during a declared or simulated emergency.
- 1.2 This procedure shall be initiated by the Emergency Director and implemented by the Security Coordinator.
  - 1.2.1 For clarity, the Security Coordinator will be referred to as the Security Shift Commander in this procedure.
- 1.3 This procedure provides guidance and direction for activation and operation of the Emergency Assembly Area (Materials Management Warehouse or OCAB Cafeteria).

2.0 APPLICABILITY/SCOPE

- 2.1 This procedure applies to Oyster Creek Site Security and Emergency Response Organization members for use in a declared or simulated emergency.

3.0 DEFINITIONS

- 3.1 Emergency Assembly Area - The Emergency Assembly Area is the designated location non-essential personnel will muster at to ensure:
  - (1) They are protected from an impending hazard on-site
  - (2) Pre-positioned to expeditiously evacuate the Site if and when required.
- 3.2 Two locations within the Owner Controlled Area will be available for use - OCAB Cafeteria(Primary) and/or Material Services Warehouse (Secondary). Other Locations may be used as necessary.

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4.0 RESPONSIBILITIES

- 4.1 The Emergency Director shall notify, via accountability page announcement, the Security Shift Commander that personnel accountability has been ordered and to implement this procedure. The OCAB Cafeteria shall be used as the primary location unless it is unavailable or inaccessible, then the Warehouse or other Locations will be used.
- 4.1.1 In the event the North Gate Processing Center is in use, all Badge North Gate personnel will exit the Main Gate enroute to the OCAB Cafeteria unless otherwise directed by the ED.
- 4.2 The Security Shift Commander shall:
- 4.2.1 Direct and oversee the personnel accountability process.
- 4.2.2 Report the current status of personnel accountability to the Emergency Director or Emergency Director Assistant 30 minutes after initiated.
- 4.2.3 Provide a list of personnel missing during accountability to Emergency Preparedness manager upon termination of emergency drill.
- 4.2.4 Ensure command and control at the Emergency Assembly Area.
- 4.3 The GSS and OSC, TSC and EAA Facility Coordinators shall direct accountability in their respective facilities and ensure accountability status is reported to Security within 10 minutes of accountability being initiated.
- 4.4 Emergency Assembly Area Coordinator - is responsible to direct and oversee the personnel accountability process at the EAA in accordance with Exhibit 4.

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5.0 PROCEDURE

5.1 The Emergency Director will notify the Security Shift Commander, directly or via accountability page announcement, that personnel accountability has been ordered and provide him any additional instructions deemed necessary.

5.2 The Security Shift Commander will implement Exhibit 1.

5.3 The Emergency Assembly Area Coordinator will implement Exhibit 4.

6.0 REFERENCES

None

7.0 EXHIBITS

7.1 Exhibit 1 - Personnel Accountability Form.

7.2 Exhibit 2 - Accountability Methods (Instructions).

7.3 Exhibit 3 - Emergency Assembly Area (Warehouse) Floor plan.  
Exhibit 3A- Emergency Assembly Area (OCAB) Floor plan.

7.4 Exhibit 4 - Emergency Assembly Area Coordinators Checklist.

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EXHIBIT 1

PERSONNEL ACCOUNTABILITY FORM

Time/Initials

- \_\_\_\_\_/\_\_\_\_\_ 1.0 Notified by Emergency Director that personnel accountability has been ordered.
- \_\_\_\_\_/\_\_\_\_\_ 2.0 Secure security computer access points 113 through 116 (Accountability Key Card Readers).
- \_\_\_\_\_/\_\_\_\_\_ 3.0 If security computer access points 113 through 116 cannot be secured, notify the following locations that the alternate accountability process will have to be used:
- [ ] Control Room
  - [ ] Technical Support Center
  - [ ] Operations Support Center
  - [ ] Monitor and Control Area
  - [ ] EAA
- \_\_\_\_\_/\_\_\_\_\_ 4.0 Security Officer dispatched to the receiving area to process warehouse personnel back into the protected area, if using warehouse.
- \_\_\_\_\_/\_\_\_\_\_ 5.0 Establish communication with Emergency Assembly Area Coordinator. OCAB Ext. Primary 5277, Back-up 5276 or if warehouse is used dial 87 on EP Line.
- [ ] 5.1 After normal work hours (5 PM to 8 AM, Mon-Fri & Sat, Sun) dispatch Security Officer to EAA. (Ref 7.2.2, 7.2.3 and 7.2.4 Exhibit 1)
- \_\_\_\_\_/\_\_\_\_\_ 6.0 Gate 3 opened.\*
- \_\_\_\_\_/\_\_\_\_\_ 6.1 Ensure Rad Techs have been dispatched from the OSC to provide personnel monitoring while this gate is open. Should plant conditions warrant, the gate may be opened without Rad Con Personnel immediately available. However, personnel monitoring devices should be accessible.
- \_\_\_\_\_/\_\_\_\_\_ 7.0 Primary/Alternate accountability process started.
- [ ] 7.1 Primary - Security computer generated listing obtained. List zones #1 through #14 in the security computer. Individuals that are listed in any zones other than 2, 8, 9, 10, and/or 15 must be contacted and their status determined. (Refer to Exhibit 2 for detailed instructions.)
  - [ ] 7.2 Alternate - Security badge storage drawers inventoried for open slots. (Refer to Exhibit 2 for instructions.)
    - [ ] 7.2.1 Security Officer dispatched to the Monitor and Control Area to muster RWP workers. Muster list should be submitted to Shift Commander within 10 minutes of Accountability announcement.

\* simulated during drills.

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EXHIBIT 1  
(continued)

PERSONNEL ACCOUNTABILITY FORM

Time/Initials

- 7.2.2 If using Warehouse, Security Officer dispatched to open south side personnel door (131-D) of the Emergency Assembly Area to collect accountability cards and ensure proper use of security key cards and accountability key card readers.
- 7.2.3 Security Officer to ensure Rad-Techs have been dispatched from the OSC to provide personnel monitoring.

NOTE

Once the Rad Techs have arrived they will assist in the duties of the EAAC (Exhibit 4) until the EAAC arrives, in addition to Personnel Monitoring.

- 7.2.4 Accounting reports received from the following locations:
  - Control Room
  - Technical Support Center
  - Operations Support Center
  - Monitor and Control Area
  - EAA
- 7.2.5 Accountability reports compared with security badge storage drawer inventory sheets (or computer generated listing) and the following determined:
  - A. All personnel accounted for - No action required.
  - B. Missing person(s) - Action required (per Step 11.0).
  - C. Reporting/Inventory Error - Determine source of error and follow action outlined in Part A or B above.

8.0 Report current accountability status to Emergency Director or ED Assistant within 30 minutes of accountability initiation.

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EXHIBIT 1  
(continued)

PERSONNEL ACCOUNTABILITY FORM

- \_\_\_\_\_/\_\_\_\_ 9.0 Accountability completed, final status reported to Emergency Director or ED Assistant. (Complete within 30 minutes if possible).
- \_\_\_\_\_/\_\_\_\_ 10.0 Page missing person(s). If no response within 2 minutes, attempt to contact the supervisor(s) of the missing person(s). Further action may include attempts to contact the person(s) at home or at EAA (Security Line, dial code 87 for Warehouse or OCAB Cafeteria Ext. 5276/5277).
- \_\_\_\_\_/\_\_\_\_ 11.0 Provide a list of missing persons to Emergency Preparedness Manager upon termination of emergency/drill.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Security Shift Commander

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**8**EXHIBIT 2

## ACCOUNTABILITY METHODS

1.0 Primary Accountability Method

- 1.1 The security computer system will be used as the primary method of Site Accountability. A listing of all unaccounted for personnel within the Protected Area can be obtained from the security computer system by listing zones #1 through #14.

NOTE

Radwaste Operators are tracked as a team at the "ALERT" level and above, but are not logged in on the OSC Card Reader. The OSC will provide their names and key card numbers to the Main Security Gate when Site Accountability is ordered.

- 1.2 The security computer listing will result in one of the conditions listed below:

- 1.2.1 First Condition: All security key card numbers identified on the security computer generated listing are listed in Zones 2, 8, 9, and/or 10.

Required Action: The Security Shift Commander shall notify the Emergency Director or ED Assistant that all personnel in the Protected Area have been accounted for.

- 1.2.2 Second Condition: Security key card numbers that are identified on the security computer generated listing are listed in Zones 1, 3, 4, 5, 6, 7, 11, 12, and 14.

Required Action: The Security Shift Commander shall attempt to locate the missing person(s) by paging the individual(s) on the plant page system, or by any other means available. The Security Shift Commander must report the current status of Site Accountability to the Emergency Director or ED Assistant within 30 minutes of accountability initiation. Once Site Accountability has been completed, the Security Shift Commander shall notify the Emergency Director or ED Assistant, and provide the names and slot numbers of the missing persons, if any. A copy of the missing persons list will also be sent to the Emergency Preparedness Manager at the completion of the emergency/drill.

- 1.3 In the event of a security computer failure, the alternate accountability process will have to be used. Personnel accountability cards will have to be collected from the Control Room, Technical Support Center, Operations Support Center, Monitor and Control Area, Security Department, and the Emergency Assembly Area (if the Warehouse is used). (Refer to Section 2.0 for instructions.)

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**8**EXHIBIT 2  
(Continued)

## ACCOUNTABILITY METHODS

2.0 Alternate Accountability Method

- 2.1 Upon receiving notification that accountability has been ordered, the Security Shift Commander will direct Security Officers to inventory all security badge storage drawers for open slots. Using the security badge storage drawer inventory sheets provided in the accountability packet, the Security Officers will identify all slot numbers that are empty (no Accountability Card or I.D. Badge present). When the Accountability Cards are returned from other mustering points, these slot numbers will be crossed off the security badge storage drawer inventory sheets.

**NOTE**

Radwaste Operators are tracked as a team at the "ALERT" level and above, but are not logged in on the OSC Card Reader. The OSC will provide their names and key card numbers to the Main Security Gate when Site Accountability is ordered.

- 2.2 The Security Shift Commander will ensure that accountability reports are received from the Control Room, Technical Support Center, Operations Support Center, Monitor and Control Area, and the Security Department. These slot numbers shall be crossed off the security badge storage drawer inventory sheets.
- 2.3 Results of the above comparison may result in one or more of the conditions listed below:
- 2.3.1 First Condition: All security badge slot numbers that were identified on the security badge storage drawer inventory sheets (or computer generated listing) correspond with the security badge slot numbers received during the accountability process.
- Required Action: The Security Shift Commander will notify the Emergency Director or ED Assistant that all personnel in the protected area have been accounted for.
- 2.3.2 Second Condition: Security badge slot numbers that were identified appear on the security badge storage drawer inventory sheets (or computer generated listing) but were not received during the accountability process.
- Required Action: The Security Shift Commander will notify the Emergency Director or ED Assistant that accountability has been completed, and provide the names and slot numbers of missing persons, if any. A copy of the list of missing persons will be sent to Emergency Preparedness Manager at termination of emergency/drill.

Title

**PERSONNEL ACCOUNTABILITY**

Revision No.

**8**EXHIBIT 2  
(Continued)

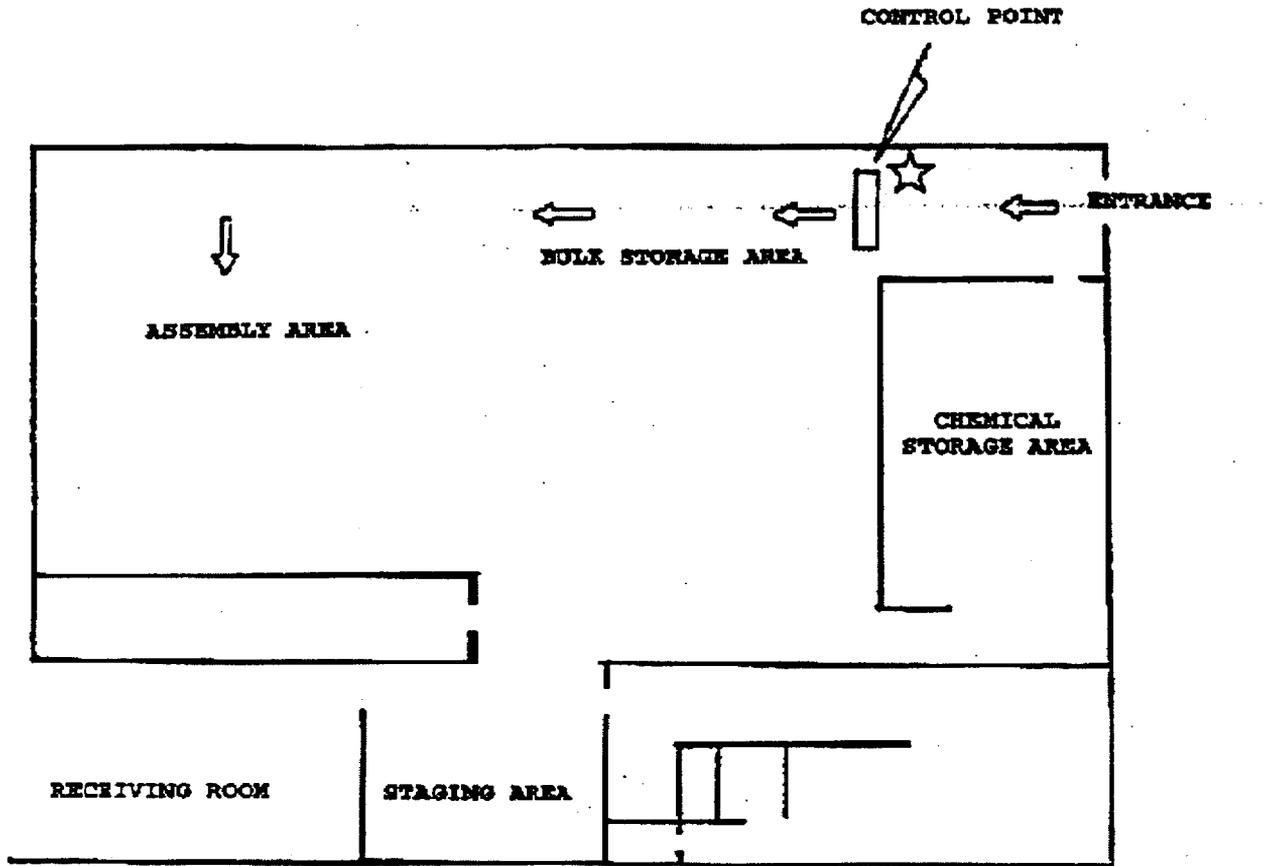
## ACCOUNTABILITY METHODS

- 2.3.3 Third Condition: Security badge slot numbers received during the accountability process do not appear as identified on the security badge storage drawer inventory sheet (or computer generated listing).

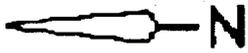
Required Action: Determine the source of the error, i.e., security badge filed in the wrong slot, incorrect security badge slot number recorded on the security badge storage drawer inventory sheet. Upon resolution of the discrepancies, the Security Shift Commander will notify the Emergency Director or ED Assistant that all persons have been accounted for or provide the names and slot numbers of missing persons, if any. A copy of this list of missing persons will be sent to Emergency Preparedness Manager at termination of emergency/drill.

- 2.4 Page missing persons using the Plant Page System. Attempts should be made to contact the supervisors of the missing persons not responding within two minutes. Other actions may include attempts to telephone persons at home or at the Emergency Assembly Area (Primary OCAB Ext. 5276/5277) or (Secondary warehouse if used Security dial code 87).
- 2.5 The Security Shift Commander will ensure that a list of missing personnel has been forwarded to Emergency Preparedness Manager upon termination of emergency/drill.

EXHIBIT 3



**EMERGENCY ASSEMBLY AREA WAREHOUSE**



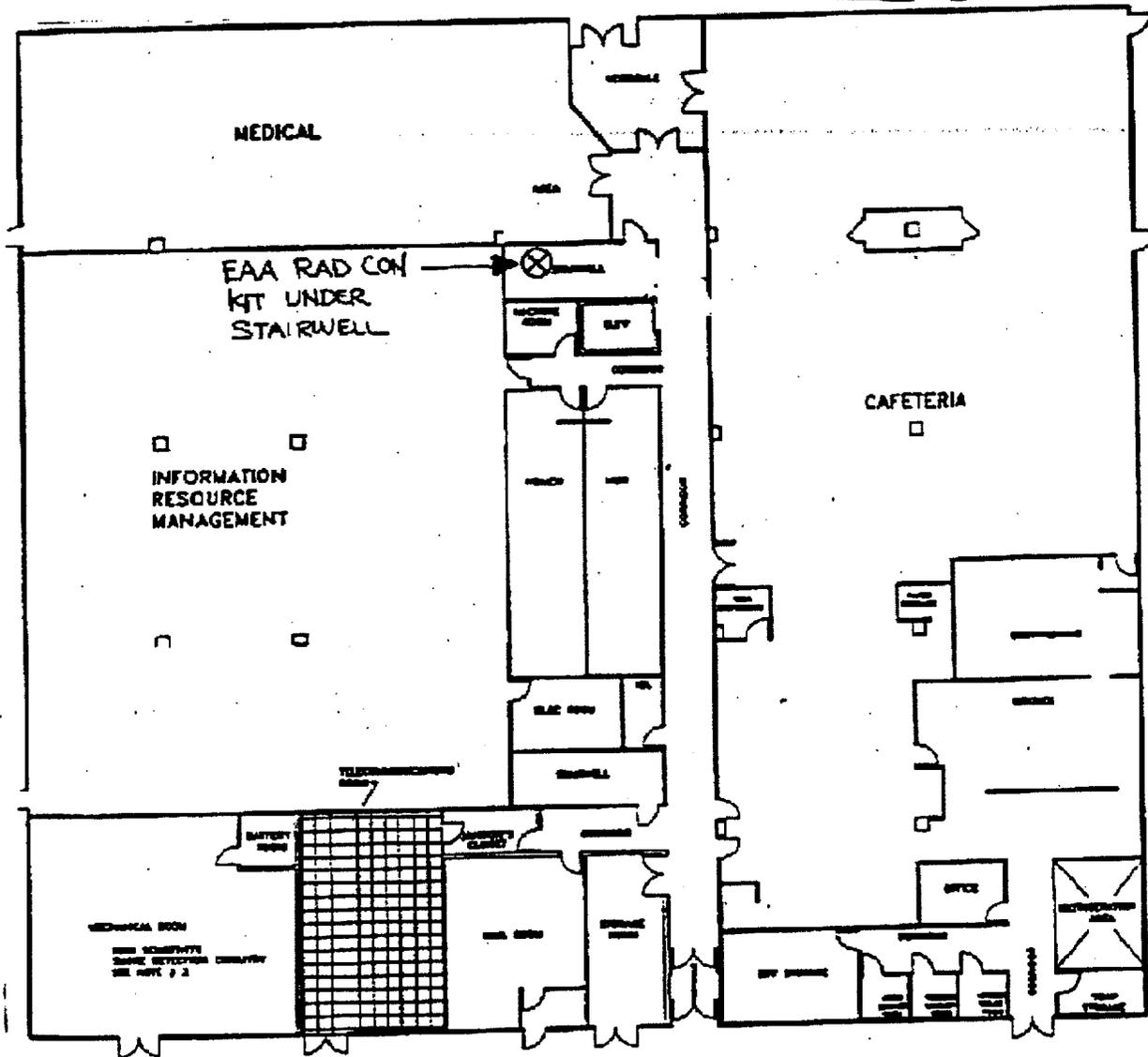
☆ = RAD CON LOCKER  
AND  
RAD CON CONTROL POINT

Title  
**PERSONNEL ACCOUNTABILITY**

Revision No.  
**8**

EXHIBIT 3A

EMERGENCY ASSEMBLY AREA OCAB



Title  
**PERSONNEL ACCOUNTABILITY**

Revision No.  
**8**

EXHIBIT 4

EMERGENCY ASSEMBLY AREA COORDINATOR CHECKLIST

Time/Initials

\_\_\_\_\_/

- 1.0 Ensure control at the Emergency Assembly Area by direct and overseeing the personnel accountability process at appropriate EAA.

NOTE

When using the Warehouse, ensure entry granted light registers for each individual keycard insertion. Malfunctions (i.e. Entry Denied) contact Security Shift Commander.

\_\_\_\_\_/

- 2.0 Ensure Rad-Techs have been dispatched from the OSC to provide personnel monitoring.

\_\_\_\_\_/

- 3.0 When using the Warehouse, if security computer accountability system fails collect/sort accountability cards and forward to appropriate gates ASAP. (i.e.; Blue - Main Gate, Orange - North Gate.)

\_\_\_\_\_/

- 4.0 Take attendance by routing an attendance sheet/sign-in sheet around , ensuring everyone is signed in. This is to allow the organization to know who & what expertise is available. (For Drills - Safety training or other pertinent information will be provided to personnel in the EAA. Arrangements will be made prior to Drill Conduct.)

\_\_\_\_\_/

- 5.0 If a Site Evacuation is declared, contact Security Shift Commander for further instructions utilizing the Station Security Line 80 or extension 4954.

\_\_\_\_\_  
Emergency Assembly Area Coordinator

\_\_\_\_\_  
Date

<p>Title <b>SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE ASSEMBLY AREAS</b></p>	<p>Revision No. <b>7</b></p>
<p>Applicability/Scope Applies to work at Oyster Creek</p>	<p>Responsible Office Emergency Preparedness</p>
<p>This document is within QA plan scope <u>  X  </u> Yes <u>  </u> No Safety Reviews Required <u>  X  </u> Yes <u>  </u> No</p>	<p>Effective Date Date of Sale</p>

Prior Revision   6   incorporated the following Temporary Changes:

  N/A  

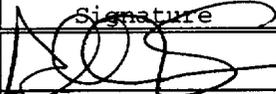
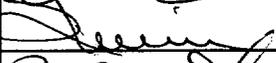
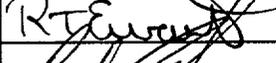
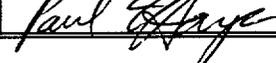
This Revision   7   incorporates the following Temporary Changes:

  N/A  

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

- 1.0 to 4.0
- E1-1 to E1-3
- E2-1 to E2-2
- E3-1
- E4-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/5/00
Concurred By		Director Plant Operations	1-7-00
Approved By		Security Manager	1-11-2000
By		Emergency Preparedness Mgr.- OC	1/11/00



Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**

1.0 PURPOSE

1.1 This procedure provides for the orderly mustering and evacuation of all non-essential personnel from the protected area and other owner controlled areas at Oyster Creek to the Forked River Assembly Area and/or the Berkeley Remote Assembly Area.

2.0 APPLICABILITY/SCOPE

2.1 This procedure applies to Oyster Creek Site Security

3.0 DEFINITIONS

None.

4.0 RESPONSIBILITIES

4.1 The Emergency Director shall notify the Security Shift Commander that a site evacuation has been ordered and provide the evacuation route, areas other than the protected area to be evacuated and any other pertinent instructions. The Emergency Director will specify either the Forked River Assembly Area or the Berkeley Remote Assembly Area as a destination.

4.2 The Security Shift Supervisor shall coordinate the site evacuation, the accompanying muster, and the activation of the designated assembly area.

4.3 The Security Officer dispatched to either assembly area shall assume command and control duties at the facility.

5.0 PROCEDURE

5.1 The Emergency Director shall perform his duties in accordance with EPIP-OC-.02, Exhibit 1, "General Emergency", Section 3.2.1.

5.2 The Security Shift Commander shall perform his duties in accordance with Exhibit 1.

5.3 The Security Officer dispatched to the assembly area shall perform his duties in accordance with Exhibit 1.

Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**

6.0 REFERENCES

- 6.1 2000-PLN-1300.01 "OCNGS Emergency Plan".
- 6.2 Procedure EPIP-OC-.12, "Personnel Accountability".
- 6.3 Procedure OSEC-CON-1530.58, "Security Force Evacuation".

7.0 EXHIBITS

- 7.1 Exhibit 1, Site Evacuation Checklist
- 7.2 Exhibit 2, Departure Instruction Sheet and Evacuation Route Map
- 7.3 Exhibit 3, Layout of the Berkeley Remote Assembly Area
- 7.4 Exhibit 4, Layout of the Forked River Assembly Area

Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7****EXHIBIT 1  
SITE EVACUATION CHECKLIST**

TIME/INITIALS

- \_\_\_\_\_/\_\_\_\_\_ 1.0 Notified by Emergency Director that site evacuation has been ordered. Evacuation destination to be used:
- Forked River Assembly Area
  - Berkeley Remote Assembly Area
- Evacuation Route:
- North     South\*
- \_\_\_\_\_/\_\_\_\_\_ 2.0 Evacuation to include the following areas outside the Protected Area.
- Building 24
  - Area outside the protected area between the canal and Route 9 including the switchyard
  - Oyster Creek Administration Building
  - Trailer #300 complex
  - Forked River Site Buildings 1, 2, 5, 12, and 14
  - Security Firing Range
  - Fire Brigade Training Area
  - GPU Energy Southern Area Stores
  - GPU Energy Combustion Turbine Site
  - Independent Spent Fuel Storage Facility
  - Fire Pond Pump House
- \_\_\_\_\_/\_\_\_\_\_ 3.0 Notify areas identified via Forked River Page and/or bullhorns.
- \_\_\_\_\_/\_\_\_\_\_ 3.1 Perform sweep of O.C. Admin. Building, Trailer 300, and Forked River Buildings when manpower levels permit.
- \_\_\_\_\_/\_\_\_\_\_ 4.0 If not previously accomplished, ensure site Security personnel are accounted for utilizing a security badge slot number listing.
- \_\_\_\_\_/\_\_\_\_\_ 5.0 If necessary: evacuate Security force personnel in accordance with OSEC-CON-1530.58.
- \_\_\_\_\_/\_\_\_\_\_ 6.0 Security officer assigned to each exit area (EAA, MGPC, and NGPC) to collect security badges and dosimetry and to issue evacuation instructions and route maps. (Exhibits 2 and 3)

\* South route may be simulated during drills.

Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**

EXHIBIT 1  
(Cont'd)

- \_\_\_\_\_ / 7.0 Appropriate gates and/or doors opened to accommodate evacuation.
- [ ] Gate 3\*\*
- The following should be opened only if personnel accountability was previously ordered and the EAA activated.
- [ ] Door 130-D opened by Secondary Alarm Station\*
- [ ] Door 139-B open
- \_\_\_\_\_ / 8.0 Security officer(s) assigned to be dispatched with Rad Con Tech(s) to the specified assembly area.
- [ ] Forked River [ ] Berkeley
- [ ] Rad Con Coordinator notified to coordinate assembly of Rad Con Tech(s) and equipment with security officer(s).
- [ ] Security officer(s) issued assembly area packet and instructed to obtain names and slot numbers of evacuees arriving at the RAA.
- [ ] Security officer(s) and Rad Con Tech(s) dispatched to the assembly area.
- [ ] Security officers directed to provide verbal instruction to proceed, for further processing, directly and expeditiously to the designated assembly area by the appropriate route in vehicles containing no less than four persons. (South evacuation route may be simulated during drills).
- \_\_\_\_\_ / 9.0 If Berkeley Remote Assembly Area is specified:  
GPU Energy System Dispatcher or, during working hours, the Supervisor-Line Berkeley District shall be notified and instructed not to allow Oyster Creek evacuees into the RAA until the arrival of the security officer(s) and Rad Con Tech(s).
- GPU Energy System Pineland Area Load Supervisor  
(973) 455-8462 or 8274 or 8493
- Berkeley Operations Headquarters  
(732) 244-4728
- \_\_\_\_\_ / 10.0 Rad Con Coordinator contacted to remove collected dosimetry.

\* Emergency only

\*\* Normally simulated during drills

Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**

EXHIBIT 1  
(Cont'd)

- /        11.0 Site evacuation complete.
- /        12.0 Communication established with security officers assigned to the assembly area.
- /        13.0 Security officers and Radiation Control Technicians establish access control point at assembly area north entrance. Security officers will assume command and control duties.
  - [ ] Security officer maintains access control log.
  - [ ] Security officer will call in Muster List within 30 minutes of establishing access control point to the Security Shift Commander if possible. Security officer will call in additional persons arriving at assembly area periodically as they arrive.
- /        14.0 Upon arrival of traffic control point (local police officer) provide evacuation route (north/south).
- /        15.0 Perform actions to verify areas outside the Protected Area are evacuated.

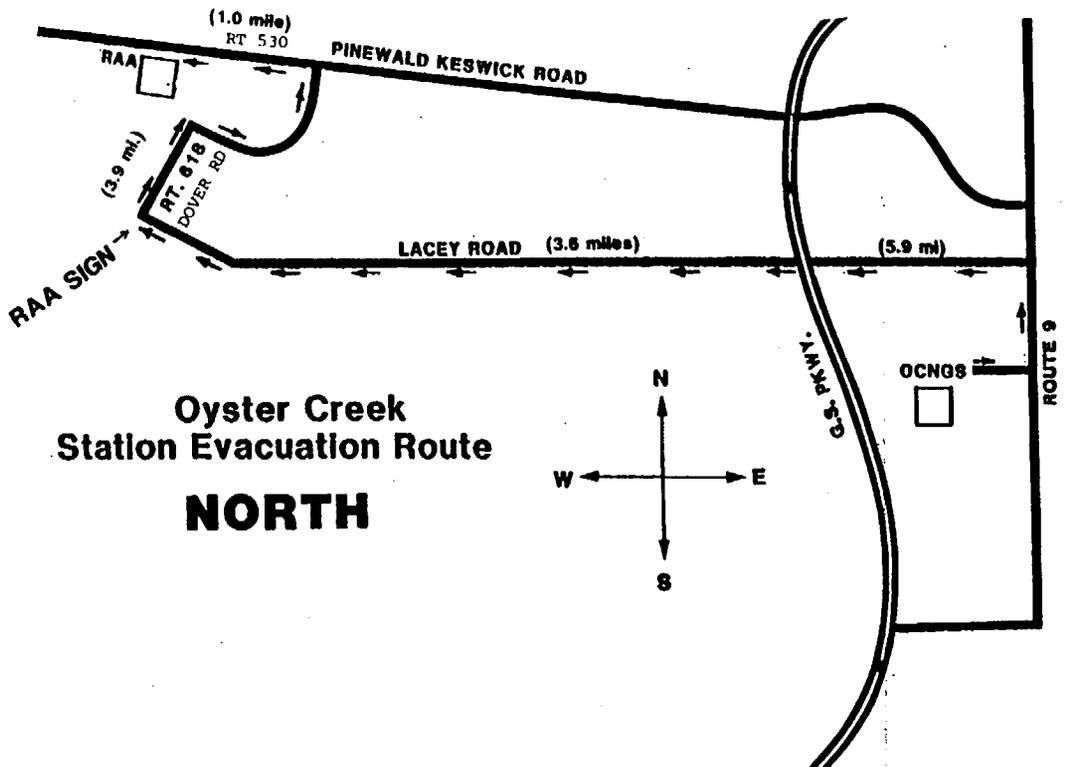
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
                    Security Shift Commander

Title

**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**



**Oyster Creek  
Station Evacuation Route  
NORTH**

DEPARTURE INSTRUCTIONS

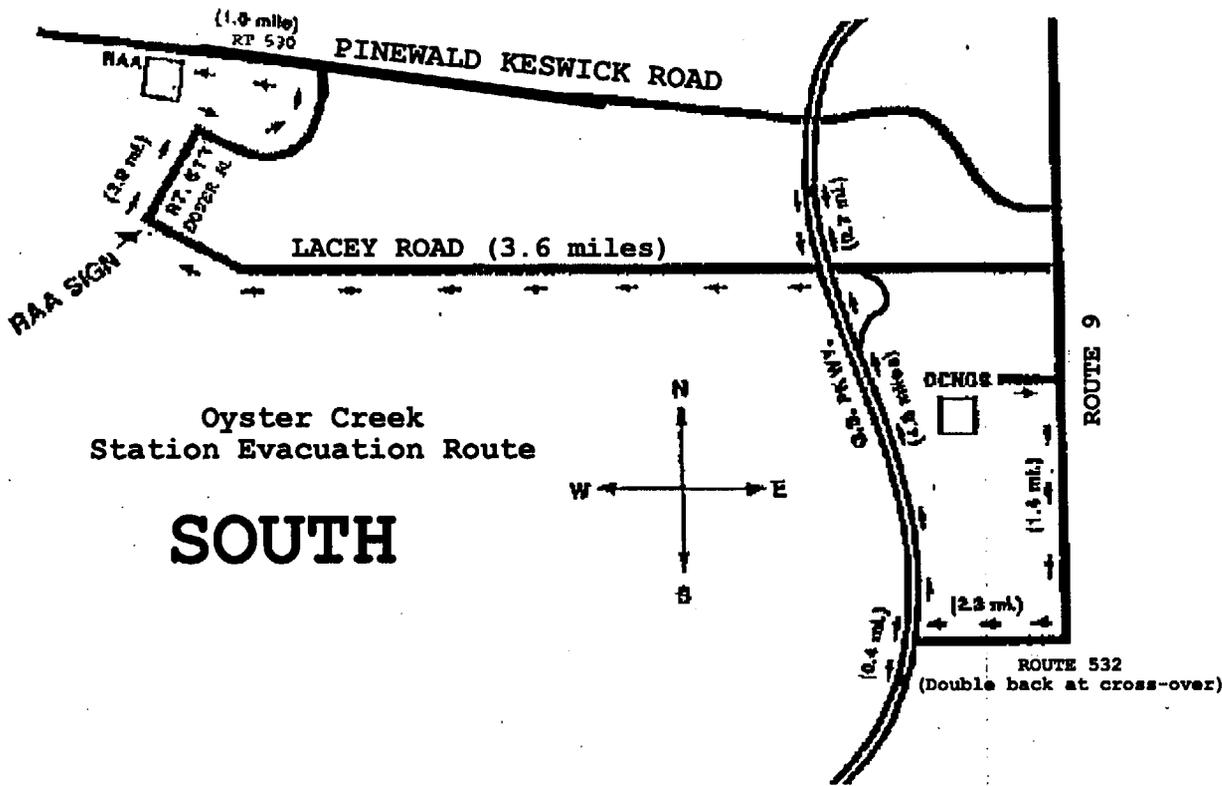
- A. Personnel are required to report to the Remote Assembly Area at GPU Energy Berkeley Operations Headquarters.
- B. Automobiles driven to the Remote Assembly Area will have at least 4 occupants.
- C. Windows and air vents must remain closed.
- D. Park as directed at the Remote Assembly Area.
- E. Muster with the Site Protection Officer.

NORTH ROUTE

From OCNGS go NORTH on Route 9 to the second stop light. Turn LEFT on Lacey Rd. At Rt. 618 (Dover Road) turn RIGHT. Turn LEFT on Route 530 to the Berkeley Operations HQ (on the left).

Title  
**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.  
**7**



Oyster Creek  
Station Evacuation Route

**SOUTH**

DEPARTURE INSTRUCTIONS

- A. Personnel are required to report to the Remote Assembly Area at GPU Energy Berkeley Operations Headquarters.
- B. Automobiles driven to the Remote Assembly Area will have at least 4 occupants.
- C. Windows and air vents must remain closed.
- D. Park as directed at the Remote Assembly Area.
- E. Muster with the Site Protection Officer.

SOUTH ROUTE

From OCNGS go SOUTH on Route 9 to the first stop light. Turn RIGHT on Rt. 532 to the Parkway. Double back to the NORTH at first crossover. Go NORTH on Parkway to Exit 74, take Lacey Rd. WEST to Rt. 618 (Dover Rd.) . At Rt. 618 (Dover Rd.) turn RIGHT. Turn LEFT on Route 530 to the Berkeley Operations HQ (on the left).

Title

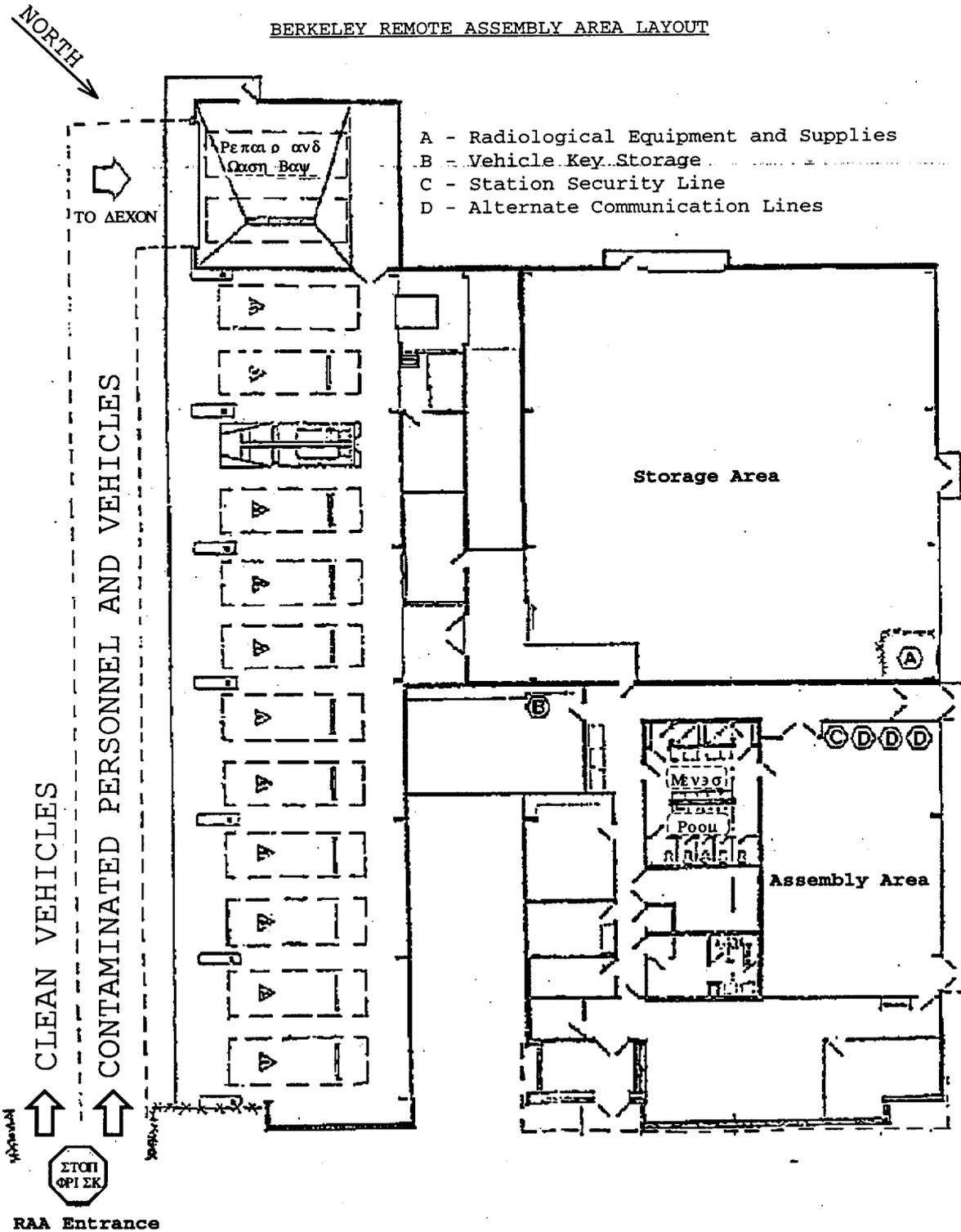
**SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS**

Revision No.

**7**

EXHIBIT 3

BERKELEY REMOTE ASSEMBLY AREA LAYOUT



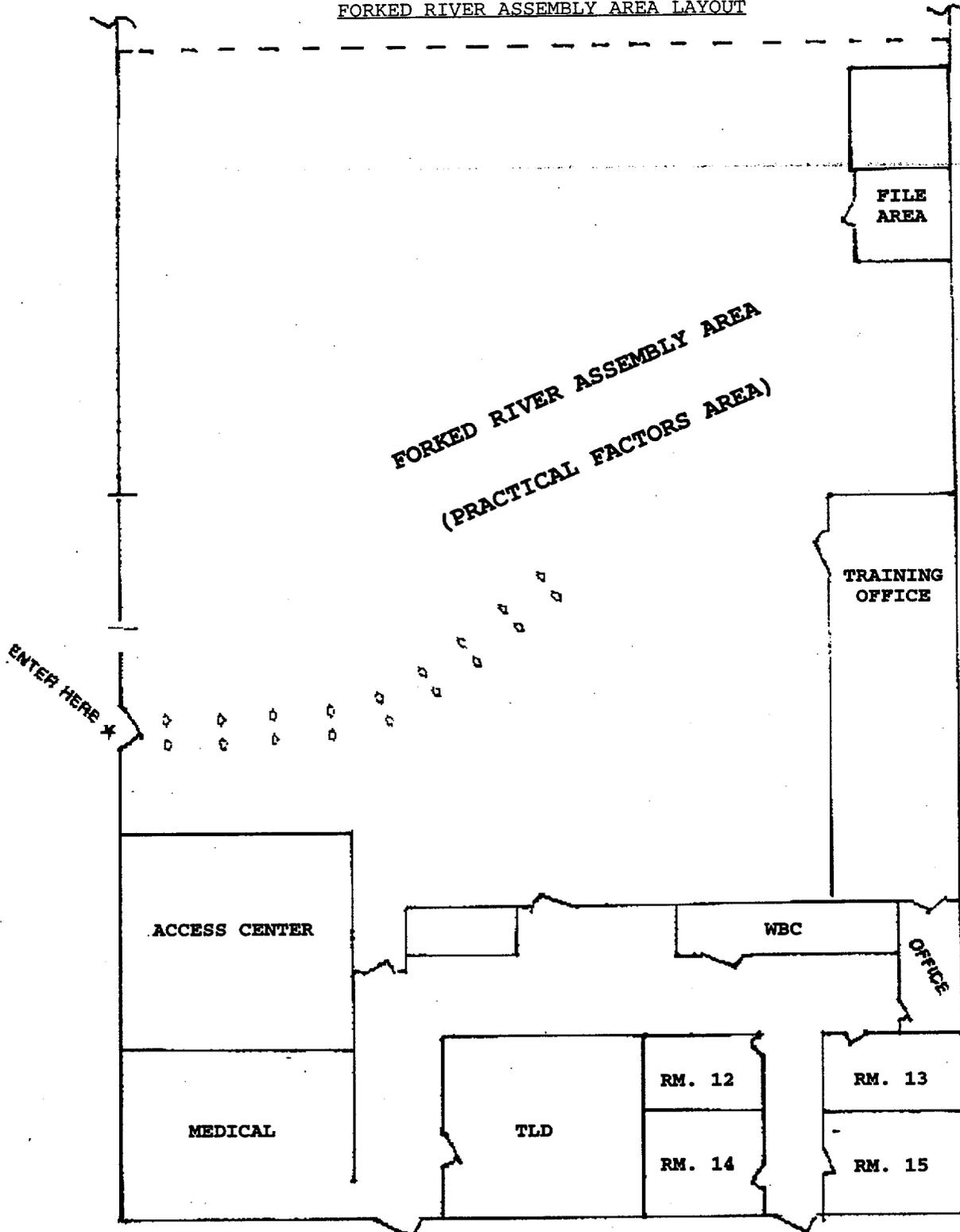
Title

SITE EVACUATION AND PERSONNEL MUSTERING AT REMOTE  
ASSEMBLY AREAS

Revision No.

7

EXHIBIT 4  
FORKED RIVER ASSEMBLY AREA LAYOUT



FORKED RIVER BUILDING 14

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number  
**EP-OC-.25**

Title <b>EMERGENCY OPERATIONS FACILITY (EOF)</b>	Revision No. <b>22</b>
Applicability/Scope Applies to work at Oyster Creek	Responsible Office Emergency Preparedness
This document is within QA plan scope Safety Reviews Required	Effective Date Date of Sale

Prior Revision 21 incorporated the following Temporary Changes:

N/A

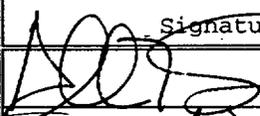
This Revision 22 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 22)

- 1.0 to 5.0
- E1-1 to E1-16
- E2-1 to E2-2
- E3-1 to E3-2
- E4-1 to E4-9
- E5-1 to E5-2
- E6-1 to E6-3
- E7-1 to E7-2
- E8-1 to E8-2
- E9-1 to E9-3
- E10-1 to E10-5
- E11-1
- E12-1
- E13-1
- E14-1
- E15-1
- E16-1
- E17-1
- E18-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/16/00
Concurred By		Director Ops & Maintenance	1-12-00
Approved By		Emergency Preparedness Mgr. OC	1/13/00

Title  
**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.  
**22**

DOCUMENT HISTORY

REVISION	DATE	ORIGINATOR	DESCRIPTION OF CHANGE
10	06/94	A. Smith	Insert step to make sure breaker on generator is open for testing purposes only.
11	09/94	A. Smith	Revise NRC Exhibit 1B to include NUREG 1471 requirements. Clarify exhibit 4, 4B, 4C for better flow. Exhibit 6 generator operation include manufactures updates for output. Add Exhibit 13 Media Access.
12	02/95	A. Smith	50-54.x requirements added as an exhibit 14 as is in Procedures EPIP-OC-.02 and EPIP-OC-.26. Provide Media Access during Security Driven Events. Assign GPU rep. to assist BNE with Tech. Info. for PAR.
13	07/95	A. Smith	Delete "Bullets" from Communications Req. Correct EPIP-OC-.29 to read EPIP-COM-.45. Update EOF Layout Diagram. Add note clarifying North Gate usage. Update Berkeley RAA Title.
14	12/95	A. Smith	Clarify Authorization Form for request from deviation from requirements.
15	04/96	A. Smith	Remove IDT Terminal Instructions and PCS Data Trent instructions. Remove operating procedure for EOF Back Up Power. Remove EOF Layout Relocate Frisker Adjust exhibit numbers to reflect changes
16	10/96	T. Blount	Change PAR guide & logic diagram to make Evacuation Preferred recommendation, provided direction to perform following notification for Off-site Protective Actions. Deleted reference to AEOF. Remove Ex 13-Procedure deviations, clarified EP Rep's duties.
17	06/97	A. Smith	Reflect recent improvements in technology and incorporate communications activities from EPIP-OC-04 Comm. & Recordkeeping for better procedure flow. Add notes for PAR beyond 10 mile EPZ.
18	10/97	A. Smith	Update Area Codes.
19	05/98	A. Smith	Clarify offsite notifications, clarify frisking at EOF.
20	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)
21	05/99	A. Smith	Incorporate the new public information process and update Pinelands area load super. phone number.
22	DOS	A. Smith	Change references from GPU or GPUN to OCNCS.

Title	Revision No.
<b>EMERGENCY OPERATIONS FACILITY (EOF)</b>	<b>22</b>

1.0 PURPOSE

This procedure describes the staffing, activation, and operation of the Emergency Operations Facility (EOF).

2.0 APPLICABILITY/SCOPE

2.1 This procedure shall apply to all AmerGen personnel assigned to the EOF during a Site Area Emergency, General Emergency, or when EOF activation is required by the Emergency Director.

3.0 DEFINITIONS

3.1 None

4.0 RESPONSIBILITIES

4.1 The Emergency Support Director (ESD) will perform or delegate the completion of the ESD's checklist (Exhibit 1).

4.2 The Emergency Support Director Assistant will assist the ESD in completing Exhibit 1 and complete the ESD assistant checklist (Exhibit 2).

4.3 The Group Leader - Radiological and Environmental Controls will complete the Group Leader R&EC checklist (Exhibit 3).

4.4 The Group Leader - Administrative Support will complete the Group Leader Administrative Support checklist (Exhibit 4) and implement the EOF Access Control Checklist (Exhibit 4B).

4.5 The Technical Support Representative will complete the Technical Support Representative checklist (Exhibit 5).

4.6 The Materials Management Coordinator will complete the Materials Management Coordinator checklist (Exhibit 6).

Title

**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.

**22**

4.7 The Emergency Preparedness Representative will assist the ESD in completing Exhibit 1 and complete the Emergency Preparedness Representative checklist (Exhibit 10).

4.8 The Communications Coordinator will monitor and support/direct Communicator activities in support of the emergency.

5.0 PROCEDURE

5.1 Emergency Support Organization (ESO) personnel will report to the EOF when they are notified of the activation of the 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 Plan Implementing Procedures.
- 6.3 EPIP-OC-.26, The Technical Support Center.
- 6.4 EPIP-OC-.27, The Operations Support Center.
- 6.5 2000-ABN-3200.30, Control Room Evacuation.
- 6.6 1820-IMP-1720.01, Emergency Public Information Implementing Procedure.

7.0 EXHIBITS

- 7.1 Exhibit 1, Emergency Support Director's Checklist
- 7.2 Exhibit 1A, Emergency Support Director Turnover Checklist.
- 7.3 Exhibit 1B, NRC Emergency Response Interface Criteria.
- 7.4 Exhibit 1C, Protective Action Recommendation Logic Diagram for Oyster Creek.
- 7.5 Exhibit 2, ESD Assistant Checklist.

Title

**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.

**22**

- 7.6 Exhibit 3, Group Leader - Radiological and Environmental Controls Checklist.
- 7.7 Exhibit 4, Group Leader - Administrative Support Checklist.
- 7.8 Exhibit 4A, Emergency Aviation Support Instruction Form.
- 7.9 Exhibit 4B, EOF Access Control Checklist.
- 7.10 Exhibit 4C, Instructions for Source Check of Frisker at EOF.
- 7.11 Exhibit 5, Technical Support Representative Checklist.
- 7.12 Exhibit 6, Materials Management Coordinator Checklist.
- 7.13 Exhibit 6A, Lakewood Microwave Room Emergency Electric Procedure.
- 7.14 Exhibit 7, EOF Communications Coordinator Checklist.
- 7.15 Exhibit 8, EOF Communicator General Duties.
- 7.16 Exhibit 9, Press Release Approval Guidance.
- 7.17 Exhibit 10, Emergency Preparedness Representative Checklist.
- 7.18 Exhibit 10A, Emergency Response Facility Fitness For Duty Determination Instructions.
- 7.19 Exhibit 10B, ALCO Sensor III Operational Checklist.
- 7.20 Exhibit 11, Route to EOF.
- 7.21 Exhibit 12, Emergency Shift Schedule (Sample).
- 7.22 Exhibit 13, Alternate Emergency Response Facilities.
- 7.23 Exhibit 14, Site Access Policy for Media During Emergencies.
- 7.24 Exhibit 15, OC Emergency Communications Log (Sample).
- 7.25 Exhibit 16, Emergency Message Form (Sample).
- 7.26 Exhibit 17, HIFAX Log (Sample).
- 7.27 Exhibit 18, Media Access Briefing Form.

Title	Revision No.
<b>EMERGENCY OPERATIONS FACILITY (EOF)</b>	<b>22</b>

EXHIBIT 1

Emergency Support Director's Checklist

Initials

- 1.0 Activate the EOF by performing these steps:
- \_\_\_\_\_ 1.1 Complete Exhibit 1A of this procedure by obtaining a turnover from the ED. Contact the ED in the TSC or Control Room as appropriate.
- \_\_\_\_\_ 1.2 Confirm that the following functions are available at the EOF (Areas need not be fully staffed to be considered functional):
  - Environmental Assessment
  - Technical Support
  - Communications with TSC
  - Offsite Notifications
- \_\_\_\_\_ 1.3 Ensure that Access Control is maintained to only allow authorized personnel in the EOF.
- \_\_\_\_\_ 1.4 Once the above steps have been completed, inform the ED that you are ready to assume your position as ESD and will take over responsibility for:
  - Approving and directing official notifications to offsite agencies.

Title  
**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.  
**22**

EXHIBIT 1  
(continued)

Emergency Support Director's Checklist

Initials

- Approving and directing information releases to the media.

NOTE

ED/ESD approval is not needed for information releases involving boiler plate information only, (e.g., emergency declarations and media center opening).

- Approving and, if possible, personally conveying appropriate Protective Action Recommendations to the New Jersey Office of Emergency Management.
- Briefing the NRC Site Team Leader and serve as the official point of contact for receiving NRC directives. This includes interfacing with the NRC regarding deviations from license conditions or technical specifications (10 CFR 50.54).

NOTE

Ensure ED advises the ESD when such deviations are planned and the technical experts are consulted to the fullest extent practicable.

NOTE

The ESD may overrule the ED if the ESD believes a higher emergency declaration is warranted.

- \_\_\_\_\_ 1.5 Announce to the EOF staff that the EOF is activated, and ensure that you or your designee has notified the President of the Corporation.

Title <b>EMERGENCY OPERATIONS FACILITY (EOF)</b>	Revision No. <b>22</b>
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EXHIBIT 1  
(continued)

Emergency Support Director's Checklist

Initials

- \_\_\_\_\_ 1.6 Brief the EOF staff including NRC and State representatives (if available) of plant conditions using the EOF public address system. ESD should notify the State Office of Emergency Management of the Plant Status.
- \_\_\_\_\_ 1.7 Review, as appropriate, Exhibit 1B, NRC Emergency Response Interface.
- \_\_\_\_\_ 1.8 Ensure that someone is assigned to maintain the ESD's log and track ESD assigned action items.
- \_\_\_\_\_ 1.9 Review all press releases related to the emergency that have been approved for release by the ED.

2.0 ESD Conferences

- 2.1 ESD conferences should be held for information exchange periodically (approximately one every hour) with representatives from the State and NRC and the Group Leader R&EC, Technical Support Representative, Public Information Representative, EP Representative, and other staff as necessary.
- 2.2 While the ESD is in conference, a staff member should be assigned as "in charge" of EOF activities and instructed to interrupt the conference in the event of a major plant change.
- 2.3 Action items resulting from ESD conferences should be logged and tracked, and their disposition should be discussed at future conferences.

3.0 EOF Staff Briefings

- 3.1 When major changes in plant status have occurred, the EOF staff should be briefed and status updated.

Title <b>EMERGENCY OPERATIONS FACILITY (EOF)</b>	Revision No. <b>22</b>
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EXHIBIT 1 (continued)

Emergency Support Director's Checklist

4.0 Press Releases/Media Site Access

- 4.1 Press Releases should be issued within approximately one hour from the time that a major plant event has occurred. "Draft" press releases shall have a timely review. Refer to Exhibit 7A for additional guidance.

NOTE

Press releases such as media advisories, emergency reclassifications which merely provide boiler plate information need not have the ED/ESD approval.

Once the Governor has declared a state of emergency, ensure all OCNGS press releases are provided to the state representative at the JIC for review.

- 4.2 If media access to the site is requested, refer to Exhibit 14, "Site Access Policy for Media during Emergencies".
- 5.0 Onsite Protective Actions
- 5.1 Determine the status of site accountability (if applicable) from the Group Leader Administrative Support or the ED. Ensure this is logged in ESD's Log.
  - 5.2 Determine if a site evacuation has been ordered and ensure provisions are made for providing site employees with instructions on reporting to work for the next business day. Site evacuation should be logged in ESD's Log.
  - 5.3 Determine if any of the offsite OCNGS Facilities are downwind of a radioactive release and provide for their monitoring and protection (e.g., Trailers 300, Oyster Creek Admin. Bldg. and Forked River).
  - 5.4 If non emergency OCNGS facilities are within sectors that were ordered to evacuate by the State, then they should be evacuated also.
    - 5.4.1 If OCNGS Emergency Facilities e.g. Remote Assembly Area are within sectors ordered to evacuate, direct the Group Leader R&EC to ensure appropriate assessment and protective actions for there locations. They need not be evacuated unless local conditions make it necessary.

EXHIBIT 1 (continued)

Emergency Support Director's Checklist

- 5.5 A description of evacuation preplanning for Alternate Emergency Response Facilities is provided in Exhibit 11.
- 6.0 Changes to Emergency Classifications
  - 6.1 Immediately notify the EOF Communications Coordinator of any changes in emergency classifications and approve the offsite notification form.

NOTE

These offsite notifications must be made within 15 minutes of an emergency declaration.

- 7.0 Offsite Protective Action Recommendations (PAR)
  - 7.1 At the Site Area Emergency, convene an ESD conference and review the PAR Logic Diagram (Exhibit 1C) in preparation for a General Emergency declaration.
  - 7.2 At the General Emergency, convene an ESD conference and immediately discuss the PAR Logic Diagram (Exhibit 1C). Develop a PAR for appropriate notifications within approximately 15 minutes from the GE declaration and approve the offsite notification form for transmitting the PAR to the State.
    - 7.2.1 Providing the written and signed copy of the PAR notification to the OEM Liaison (if he is present in the EOF) is considered to meet state notification time requirements.
      - 7.2.1.1 However, notification of the PAR to the State by OC Communicators must also proceed directly.
      - 7.2.1.2 ESD personal conveyance of the PAR to the OEM should, if possible, also proceed directly.
  - 7.3 To the maximum extent practicable, attempt to obtain agreement from the State and NRC on the PAR. However, whether agreement is or is not reached, the Corporation shall communicate its PAR to the State OEM within approximately 15 minutes from the time the GE was declared.

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EXHIBIT 1 (continued)

Emergency Support Director's Checklist

- 7.4 ESD should discuss (time permitting) or inform the ED of the PAR decision. This should not hold up the notification of offsite agencies.
- 7.5 The PAR should not be included in press releases.
- 7.6 The ESD should ascertain from the NJ OEM what "Protective Action" has been implemented off-site. This should be provided to the NRC via the ENS line as required by 10 CFR 50.72 - follow-up notifications.
- 8.0 NRC Interface
  - 8.1 Brief the NRC upon arrival and determine if the Senior NRC person is the Site Team Leader or Director, Site Operations (see Exhibit 1B). This briefing should include the status of the event and information on the structure of the OCNCS emergency organization. Request the NRC keep OCNCS informed of all substantive information exchanges between the NRC and the state. The OCNCS emergency organization is not standard in the industry. Specifically discuss that the ED oversees site related activities, maintains a general cognizance of reactor operations (not detailed), and that while the ESD oversees the whole emergency effort, he concentrates on offsite issues.
  - 8.2 Assign an individual to introduce OCNCS personnel to their NRC counterparts in the EOF.
  - 8.3 NRC directives can only be received by the ESD (or in the ESD's absence, the ED) NRC should be requested to provide all directives in writing.
- 9.0 Long-term Recovery
  - 9.1 Refer to Procedure EPIP-OC-.45 for Long-Term Recovery and discuss its implementation at an ESD conference and with the ED.
  - 9.2 If a General Emergency is in effect, OCNCS will not de-escalate to a lower level of emergency. The only option is to go into Long-term Recovery and this transition shall not occur until all offsite protective actions have been completed and the State has been informed.

Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

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EXHIBIT 1A

Page 1 of 3

EMERGENCY SUPPORT DIRECTOR TURNOVER CHECKLIST

NOTE

This form may be completed by ESD Assistant/Emergency Preparedness representative and may be used to brief State and NRC Representatives upon their arrival.

EMERGENCY CLASSIFICATION

DATE/TIME OF DECLARATION

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

ALERT \_\_\_\_\_

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

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

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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 (continued)

EMERGENCY SUPPORT DIRECTOR TURNOVER CHECKLIST

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 Diesels Running? #1 YES - NO #2 YES - NO

Are the Station Blackout CT's 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  WIND RELEASE  DOWN

Plume dispersion  ELEVATED  GROUND  N/A

Details: \_\_\_\_\_

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 \_\_\_\_\_

EXHIBIT 1A (Continued)

EMERGENCY SUPPORT DIRECTOR TURNOVER CHECKLIST

Are there any open technical issues? YES - NO

Specify \_\_\_\_\_

News releases issued ATTACHED

NOTES:



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EXHIBIT 1B

NRC EMERGENCY RESPONSE INTERFACE CRITERIA

This is a synopsis of the NRC emergency response process as it applies to OCNCS. In essence, directives from the NRC must come from the NRC Director (typically, the NRC Chairman) or from the NRC Director of Site Operations (typically, the NRC Regional Administrator). Such advice or directive can only be communicated to the Emergency Director (the Emergency Support Director once the EOF is activated). If a directive order is issued by the NRC Director or Director of Site Operations, the ED/ESD should request written confirmation which spells out the specific nature of the directive. While NRC advice may be challenged by the ED or ESD, directives must be complied with. With respect to Protective Action Recommendations for the public, the NRC may either endorse the OCNCS recommendation or opt to recommend a different one. The ED/ESD is encouraged to include the NRC and State representatives in the Protective Action Recommendation discussions in order to arrive at a mutually agreeable recommendation. In the event that the NRC opts to recommend a different recommendation, they will attempt to resolve their differences with the utility prior to recommendations to the state. Their recommendation, like the utility recommendation, will be considered by the State in the development of a Governor directive.

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EXHIBIT 1B (Continued)

NRC EMERGENCY RESPONSE INTERFACE CRITERIA

Upon arrival of the NRC, the ED/ESD should:

- Verify who is the senior NRC person in charge.
- Ask the Senior NRC Person to inform the ED/ESD when the position of Director Site Operations is assumed and whether the responsibility to issue DIRECTIVES is included.
- Request that the NRC keep OCNCS informed of all substantive information exchanges between the NRC and the State.
- Request the NRC provide all DIRECTIVES in writing.

SYNOPSIS - NRC EMERGENCY RESPONSE

NOTE

Review the following as time permits and/or if the NRC is expected to respond.

Revision 2 to NUREG 0728, supplemented by NUREG 0845 and NUREG-1471, describes the manner in which the NRC will respond to an incident and provides criteria for making preplanned response decisions. They provide procedural guidance, describe the functions related to NRC emergency response, and define procedures for responding to the following NRC modes of operation.

Each mode defines the scope of NRC activities related to a particular level of emergency response in ascending order of degree of involvement to deactivation. The various modes are characterized as follows:

1. Normal mode - Normal activities designed to maintain readiness.
2. Standby mode - Regional office activates the Incident Response Center (IRC with an appropriate staff and NRC Headquarters Operations Center staffed by a standby team.

EXHIBIT 1B (Continued)

NRC EMERGENCY RESPONSE INTERFACE CRITERIA

3. Initial activation - NRC Operations Center is staffed by a response team, the Regional IRC is fully activated and a site team is dispatched under the leadership of the Regional Administrator, normally designated as Director of Site Operations (DSO).
4. Expanded activation - Focus on NRC response operations is shifted to the site. DSO is designated primary spokesman for the NRC and may be empowered with directive authority by the Chairman of the Nuclear Regulatory Commission.
5. Deactivation - Follow-up activities (e.g., reviews, investigation, and recovery operations).

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The particular mode assumed by the NRC will be dependent upon licensee event classification and "independent NRC perception of relative severity of uncertainty of accident conditions."

NRC ADVICE

The NRC may offer advice or assistance to the Licensee during an emergency, or may respond to Licensee requests for advice or assistance. This may involve diagnosis of critical problems, development of proposed remedial courses of action, and proposals to implement additional precautionary measures. The NRC is also prepared to direct that certain actions be taken if, after thorough discussion with the Emergency Director (the Emergency Support Director once the EOF is activated) it is decided that such direction is required.

In the event that such action is taken by the NRC Director or the NRC Director of Site Operations, the ED/ESD should request written confirmation which spells out the specific nature of the directive. Directives will be communicated directly to the ED/ESD from the NRC Director (NRC Chairman) or from the NRC Director of Site Operations (DSO), typically the Regional Administrator, once appointed and empowered to do so.

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EXHIBIT 1B (Continued)

NRC EMERGENCY RESPONSE INTERFACE CRITERIA

Several important concepts govern the NRC in providing advice, assistance, or direction. They are:

- a. The Licensee is at all times responsible for mitigating the consequences of the incident.
- b. Although the NRC could issue formal orders to the Licensee to take certain measures and to monitor implementation, ". . . licensee continues to make other key operational decisions and to operate and manage the facility . . .".
- c. The NRC must have a single voice when advising or directing the Licensee.
- d. The ED/ESD has the option to accept or challenge NRC advice.

At no time will advice or direction come from both the Director and DSO and the Licensee will always be kept apprised of who is empowered to exercise authority as the NRC Spokesman. All other NRC personnel in contact with Licensee personnel are responsible to make clear that discussions should not be construed as advice or direction but rather as a sharing or gathering of information.

NRC INPUT TO RECOMMEND PROTECTIVE ACTIONS

The NRC responsibility during an emergency, as during normal operations, is to ensure that protection of public health and safety is adequate. One aspect of exercise of this responsibility is to provide Protective Action Recommendations or advice to offsite authorities. This may take the form of an NRC endorsement of a Licensee Protective Action Recommendation or the NRC may opt to recommend additional protective actions. The NRC is not involved in recommending protective actions. However they may get involved if a major problem is identified with the protective actions recommended by the Licensee or protective actions undertaken by the state or local government. Additionally NRC involvement may be requested by state or local officials.

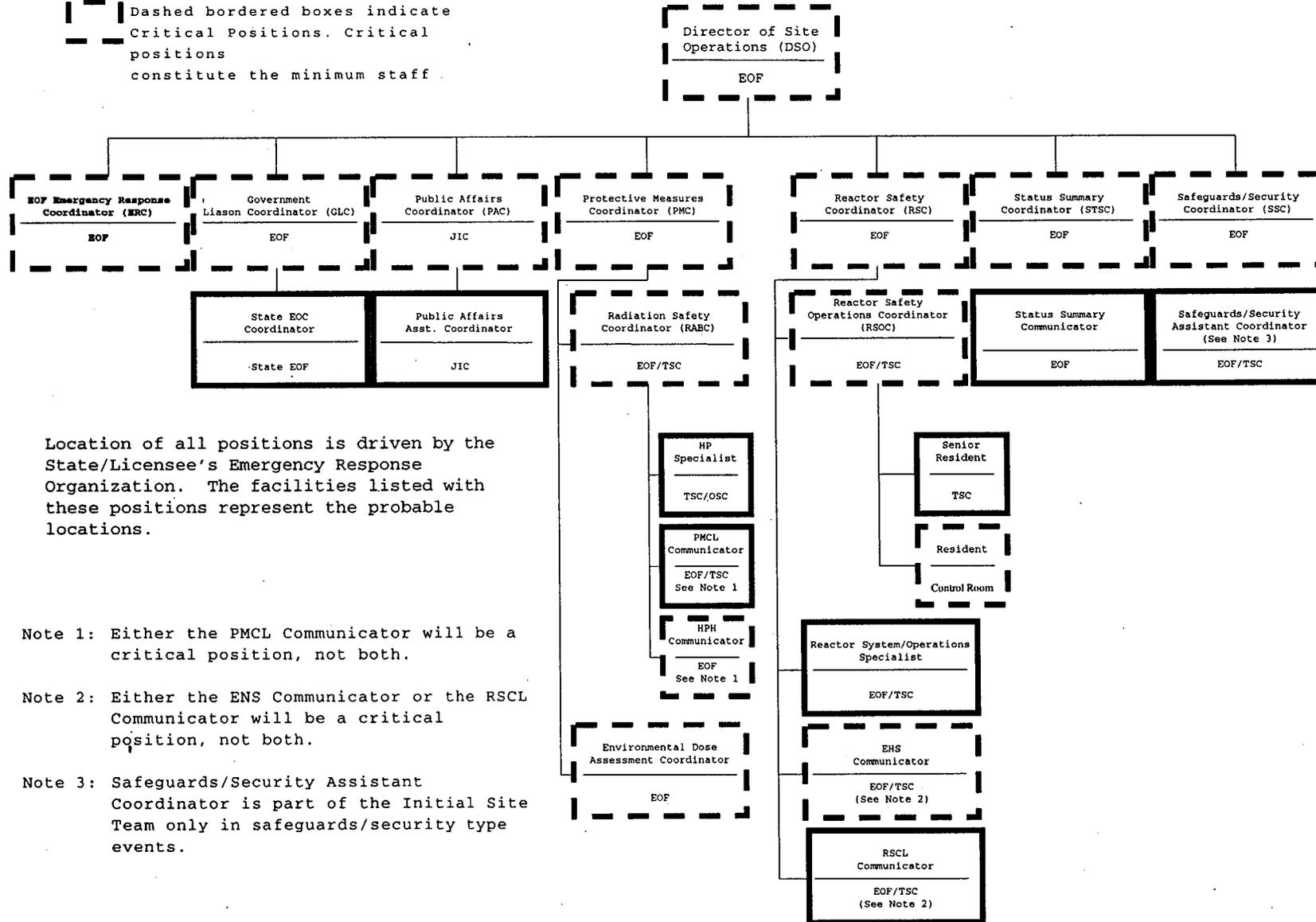
NRC ORGANIZATION

The attachment to the synopsis is provided for your information. This attachment depicts the site team organization and is an extract of NUREG 1471. It defines the number of NRC personnel expected to operate in each facility and shows the lines of communications the NRC expects to use.

Exhibit 1B (continued)

**NRC Site Organization - Initial Site Team**

Dashed bordered boxes indicate Critical Positions. Critical positions constitute the minimum staff.



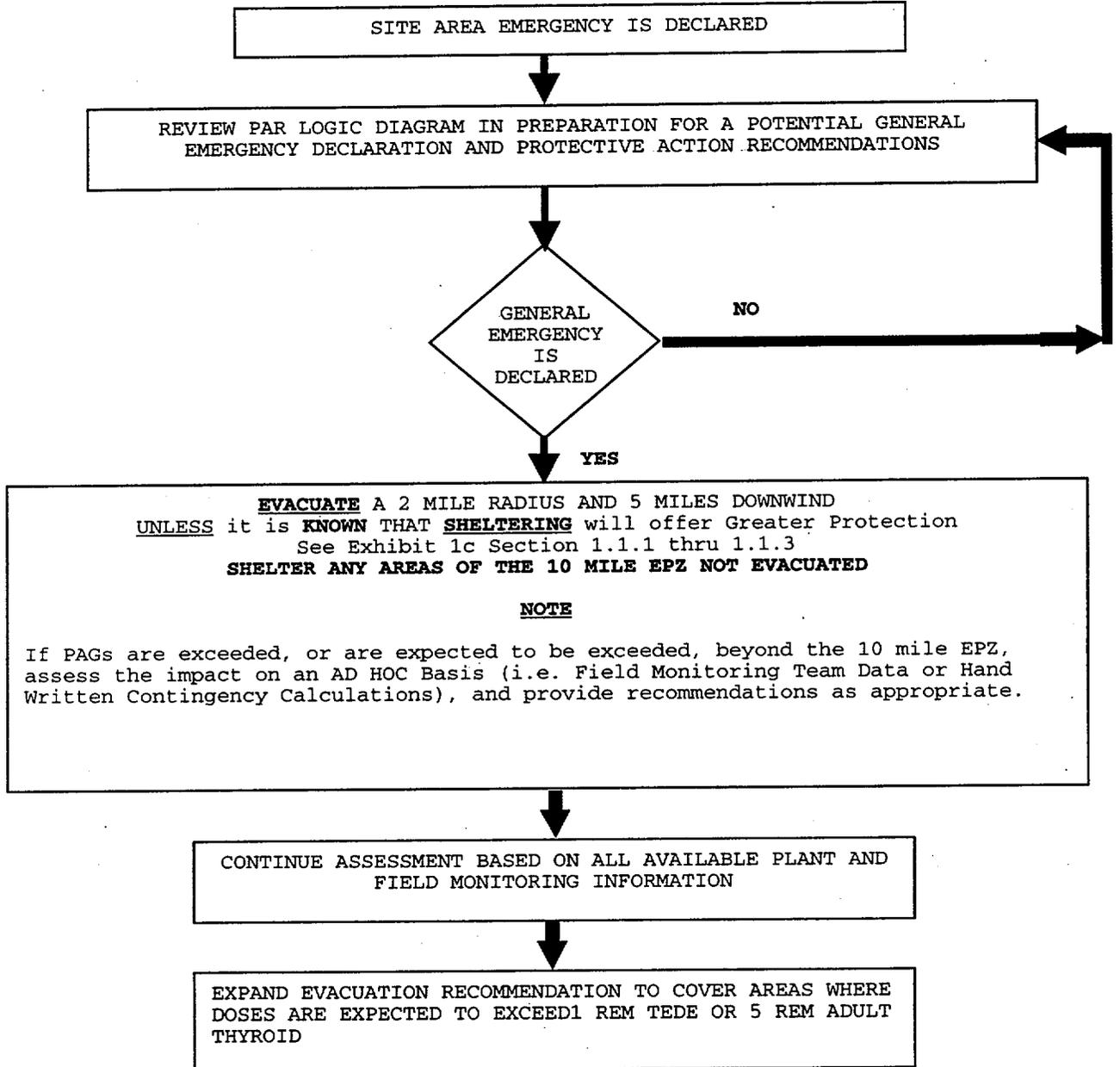
Location of all positions is driven by the State/Licensee's Emergency Response Organization. The facilities listed with these positions represent the probable locations.

- Note 1: Either the PMCL Communicator will be a critical position, not both.
- Note 2: Either the ENS Communicator or the RSCL Communicator will be a critical position, not both.
- Note 3: Safeguards/Security Assistant Coordinator is part of the Initial Site Team only in safeguards/security type events.

E1-14

PAR LOGIC DIAGRAM CHANGE

Exhibit 1C



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EXHIBIT 1c (continued)

OFFSIDE PROTECTIVE ACTION RECOMMENDATIONS GUIDE

1.0 Offsite

1.1 At the General Emergency, review the Protective Action Logic Diagram and provide PAR's to the State within approximately 15 minutes of declaring the General Emergency.

1.1.1 The guidance provided by the NRC for a Protective Action Recommendation at a General Emergency is **Evacuation 2 miles in 360 degrees and 5 miles downwind. Shelter all other non-affected areas of the 10 mile EPZ.**

NOTE

If PAGs are exceeded, or are expected to be exceeded, beyond the 10 mile EPZ, assess the impact on an AD HOC basis (i.e., Field Monitoring Team Data or hand written contingency calculations), and provide recommendations as appropriate.

1.1.2 Under certain circumstances it is permissible to recommend Sheltering if it is **known** that **Sheltering WILL PROVIDE GREATER PROTECTION.**

1.1.2.1 This would most likely occur only for short (puff) release periods that are less than 1.5 Hrs. (which is substantially shorter than the evacuation time).

1.1.2.2 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).

1.1.3 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 1.1.3 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.

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

1.3 Offsite Protective actions should not be required during an Unusual Event or Alert.

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**22**EXHIBIT 2ESD ASSISTANT CHECKLISTInitials

- \_\_\_\_\_ 1.0 Upon arrival at the EOF, ensure that steps are being taken to expeditiously activate the EOF and assist the ESD in filling out his checklist.
- \_\_\_\_\_ 2.0 Ensure that missing positions are provided to the Group Leader Admin. Support so that personnel can be contacted to fill the positions.
- \_\_\_\_\_ 3.0 Ensure that personnel properly use the EOF name board and have tags displayed to identify the position they are filling.
- \_\_\_\_\_ 4.0 Provide a briefing to the NRC and State personnel once they arrive.
- \_\_\_\_\_ 5.0 Review, as appropriate, Exhibit 1B, NRC Emergency Response Interface.
- \_\_\_\_\_ 6.0 Review and initial press releases as requested by the ESD or Press Release Writer. The review of press releases should be performed for technical accuracy as quickly as possible. Utilize the guidance in Exhibit 9 for areas of content. Do not "editorialize" information.
- \_\_\_\_\_ 7.0 Request the Group Leader Admin Support or the Communications coordinator to call out additional personnel to provide interface with the NRC if necessary. Other ESD Assistants, Licensing personnel, or Corporate Licensing may be useful in providing information to the NRC.

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EXHIBIT 2  
(Continued)

ESD ASSISTANT CHECKLIST

Initials

- \_\_\_\_\_ 8.0 If the ESD leaves the EOF for any reason (e.g., leaves the immediate area of the second floor of the Lakewood facility) assume the Person-In-Charge role until he returns.

NOTE

This does not include assuming those responsibilities that the ESD has assumed from the ED.

- \_\_\_\_\_ 9.0 Assume the point of contact role for any inquiries from Nuclear Energy Institute (NEI) Technical and Regulatory Division or EPRI.
- \_\_\_\_\_ 10.0 Refer to EPIP-OC-.01, "Classification of Emergency Conditions" whenever major plant changes have occurred to determine if an emergency upgrade is warranted.

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EXHIBIT 3

GROUP LEADER - RADIOLOGICAL AND ENVIRONMENTAL CONTROLS CHECKLIST

- \_\_\_\_\_ 1.0 Evaluate the need for personnel frisking at the EOF and notify the Group Leader Adm. Support.
- \_\_\_\_\_ 2.0 Start a Group Leader R&EC log.
- \_\_\_\_\_ 3.0 Confirm that the EACC is staffed and operational.
- \_\_\_\_\_ 4.0 Establish communications with the RAC.
- \_\_\_\_\_ 5.0 Review, as appropriate, Exhibit 1B, NRC Emergency Response Interface.
- \_\_\_\_\_ 6.0 Request the Group Leader Admin Support or the Communication Coordinator to call out additional personnel to provide interface with the NRC if necessary. Other Group Leader R&EC's, Licensing personnel, or Corporate Licensing may be helpful in providing information to the NRC.
- \_\_\_\_\_ 7.0 Ensure that all Radiological Control personnel use the tag board.
- \_\_\_\_\_ 8.0 Initiate the development of a watchbill for your organization that will support the emergency on a 24 hour/day basis using Exhibit 12 and forward to the Group Leader Admin Support.
- \_\_\_\_\_ 9.0 Direct the EAC to supply you with dose projections and field monitoring team results as applicable.
- \_\_\_\_\_ 10.0 Be prepared to brief the ESD on all radiological conditions and review the PAR Logic Diagram (Exhibit 1C) in preparation for PAR discussions.

NOTE

Should it be necessary to evacuate the areas containing the RAA (NNW 5 - 10 miles) consider appropriate protection for personnel at the facility. This may consist of increased habitability.

NOTE

If problems are encountered with emergency telephones, contact the EOF Communications Coordinator.

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EXHIBIT 3  
(continued)

GROUP LEADER - RADIOLOGICAL AND ENVIRONMENTAL CONTROLS CHECKLIST

Surveys, use of protective equipment, sheltering or evacuation.

The Administrative exposure limit criteria as modified by EPIP-35,

"RAC Guide", should be used unless the workers are considered critical in which case emergency workers overexposure authorization must be obtained.

\_\_\_\_\_ 11.0 Assume responsibility for all Radiological and Environmental Control Activities.

\_\_\_\_\_ 12.0 Forward this completed form to the EOF Communications Coordinator.  
Group Leader R&EC should participate in BNE PAR process following the ESD PAR Development. This is to ensure OCNGS & BNE are basing PAR's on identical plant information. OCNGS should try to understand the basis for the BNE's PAR. If the PAR is different from OCNGS the group leader R&EC shall notify the ESD.

Review and initial press releases as requested by the ESD or P.I. Rep.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
Group Leader R&EC

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EXHIBIT 4

GROUP LEADER - ADMINISTRATIVE SUPPORT CHECKLIST

Initials

- \_\_\_\_\_ 1.0 Maintain awareness of security events and Materials Management Coordinator Activities (i.e., procurement of transportation, equipment).
- \_\_\_\_\_ 2.0 Assign an individual to implement exhibit 4B, EOF Access Control Checklist.

NOTE

If problems are encountered with emergency telephones, contact the EOF Communications Coordinator.

- \_\_\_\_\_ 3.0 Ensure all Admin Support personnel use the tag board.
- \_\_\_\_\_ 4.0 Assist EOF Coordinators and Group Leaders in:
- Filling personnel vacancies (via Security).
  - Developing shift schedules.
  - Coordinating with offsite support.
  - Obtaining needed reference material (i.e., INPO Resource Manual, Plant Prints, Technical Specifications, etc.).

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EXHIBIT 4  
(Continued)

GROUP LEADER - ADMINISTRATIVE SUPPORT CHECKLIST

Initials

- \_\_\_\_\_ 5.1 Assist NRC in implementation of their work area at EOF by providing the following items (as needed):

NOTE

THIS APPLIES DURING EMERGENCIES. DO NOT PERFORM THIS FUNCTION DURING DRILLS/EXERCISES UNLESS INSTRUCTED BY THE DRILL CONTROLLER.

- Use of facsimile and Xerox machines.
- Additional office space in building where available.
- Office supplies.

- \_\_\_\_\_ 6.0 Direct the efforts of the Administrative Support staff in the administrative and logistic support of the Emergency Response Organization.

Including, but not limited to:

- 6.1 General administration.
- 6.2 Personnel administration and accommodations.
- 6.3 Outside plant support.

NOTE

If diesel fuel is needed for the site due to emergency conditions (e.g. hurricane) and can not be obtained through normal commercial suppliers, contact the OEM Rep. at the EOF or the NJ Office of Emergency Management (OEM). See EPIP-OC-.06 for the number.

- 6.4 Commissary/Food Logistics.
- 6.5 Human Resources/Paychecks.
- 6.6 Aviation Support (Exhibit 4A).

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EXHIBIT 4 (continued)

GROUP LEADER - ADMINISTRATIVE SUPPORT CHECKLIST

Initials

- \_\_\_\_\_ 7.0 Develop a shift schedule for your organization. (Exhibit 12)
- \_\_\_\_\_ 8.0 Notify the ESD Assistant when the facility is functionally staffed with groups as outlined below. Collect, coordinate and maintain shift staffing schedules (Exhibit 12) prepared by the following group leaders:
- \_\_\_\_\_ 8.1 EOF Communications Coordinator.
- \_\_\_\_\_ 8.2 Technical Support Representative.
- \_\_\_\_\_ 8.3 Group Leader Radiological and Environmental Controls.
- \_\_\_\_\_ 8.4 Environmental Assessment Coordinator.
- \_\_\_\_\_ 8.5 Material Management Coordinator.
- \_\_\_\_\_ 8.6 PI Tech Rep/EOF.
- \_\_\_\_\_ 8.7 Emergency Preparedness Representative.
- \_\_\_\_\_ 9.0 If necessary, provide support to the Communications Coordinator.
- \_\_\_\_\_ 10.0 Function as point of contact for ANI/INPO.
- \_\_\_\_\_ 11.0 Function as Person-In-Charge if asked and both the ESD and ESD Assistant must leave the (2nd floor of the Lakewood facility) EOF.
- \_\_\_\_\_ 12.0 If site access is required by personnel not currently badged at OCNCS:
- \_\_\_\_\_ 12.1 Using the Site Confidential Phone List, contact the Technical Training Manager or designee for O.C. Inform individual of the circumstances and request provisions be made to accommodate emergency training.
- \_\_\_\_\_ 13.0 Ascertain from the Security Shift Commander and inform the ESD on the status of accountability and/or site evacuation, if and when declared.
- Establish telephone and radio communications with Site Security.
- \_\_\_\_\_ 14.0 If any personnel are injured onsite, keep the ESD informed. All official notifications are done by the Medical Department.

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EXHIBIT 4 (continued)

GROUP LEADER - ADMINISTRATIVE SUPPORT CHECKLIST

Initials

- \_\_\_\_\_ 15.0 Documentation collected from center coordinators.
- Communicator Log Sheets.
  - Emergency Message Forms.
  - Facsimile Machine Transmitted Documents.
- \_\_\_\_\_ 16.0 Emergency Center restored.
- Procedures returned.
  - Prints returned.
  - Office supplies returned.
  - Computers, lights and other equipment turned off.
- \_\_\_\_\_ 17.0 Center returned to an orderly Condition.
- Clean off status boards.
- 18.0 Report the EOF secured to the Emergency Support Director.

Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_  
Group Leader Administrative Support

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EXHIBIT 4A

EMERGENCY AVIATION SUPPORT INSTRUCTION FORM

Initials

- \_\_\_\_\_ 1.1 Request for Aviation Support Authorized by:  
Title: \_\_\_\_\_  
Name: \_\_\_\_\_ Signature: \_\_\_\_\_
- \_\_\_\_\_ 1.2 Contact Horsham Valley Airways, Inc.  
(215) 674-2100 working hours  
(215) 674-2101 after hours  
(215) 578-6466 pager  
Identify yourself by title and name. Record the data 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 personnel/cargo to be picked up, as well as the estimated time of arrival at the pick up site.

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

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EXHIBIT 4A (Continued)

EMERGENCY AVIATION SUPPORT INSTRUCTION FORM

Initials

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 pickup 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 For additional emergency aviation support, repeat Steps 1.2 through 1.6 recording conversation using the Telephone and Communications Logsheet.
- \_\_\_\_ 1.8 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.

Oyster Creek Aviation Facility Information Form

1. Airports

- a. Miller Air Park located west of Toms River on Pinewald-Keswick Road.
- b. Lakewood Airport located on Rt. 528 Southeast of Lakewood.

2. Heliports

- a. Onsite heliport is designated as FAA Site Number H-205 and is equipped with a wind sock but no lights.

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EXHIBIT 4B

EOF ACCESS CONTROL CHECKLIST

Initials

- \_\_\_\_\_ 1.0 Establish an Access Control area at the main entrance of the EOF/JIC.
- \_\_\_\_\_ 2.0 Ensure all entrances other than the main entrance to the EOF/JIC are locked. Post the locked doors of the JIC with the signs available in the main hallway closet, when time and resources permit.
- \_\_\_\_\_ 3.0 Activate and reset the alarm system. The power switch is inside the closet in the hallway by the entrance to the Auditorium (JIC Briefing area).
- \_\_\_\_\_ 4.0 Establish an access log. Allow only authorized personnel to enter the EOF or JIC.

NOTE

Authorized personnel are: Employees with Employee Identification Card, Federal and State Emergency Response personnel with proper identification. The duty roster may be used for guidance. If personnel other than those on the roster request entry, you must get authorization from the Group Leader Admin. Support or the Emergency Preparedness Representative.

NOTE

If unauthorized personnel attempt to gain access to the EOF, the individual assigned access control should contact the OEM Representative at the EOF or the Lakewood Police Dept. at (732) 363-0200 and request assistance.

- \_\_\_\_\_ 5.0 Source check the frisker stored in the EOF using the instructions in Exhibit 4C. After source checking the frisker, place it at the entrance of the EOF with the range switch set for 500 CPM full scale. Hand and foot frisks should be required until the Group Leader R&EC arrives, and confirms or discontinues the need for frisking. Otherwise, when communications are established call the RAC at 609-971-4156 and ask if frisking is required.

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EXHIBIT 4B  
(Continued)

EOF ACCESS CONTROL CHECKLIST

Initials

- \_\_\_\_\_ 6.0 If you are notified by an individual that they have consumed an alcoholic beverage within the past five (5) hours or believe an individual should be tested for Fitness for Duty, notify the Emergency Preparedness Representative.
- \_\_\_\_\_ 7.0 Forward this completed form to the Group Leader Administrative Support.

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

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EXHIBIT 4C

INSTRUCTIONS FOR SOURCE CHECKS OF FRISKER AT EOF

The frisker is located in the EOF next to Public Information Desk. The check source is located in a lock box above the frisker.

Initials

- \_\_\_\_\_ 1.0 Verify with the Gr Ldr R & EC that frisking is required at the EOF if the Gr Ldr is available, otherwise setup the frisking station.
- \_\_\_\_\_ 2.0 Check calibration sticker and ensure that the current date is before the "Calibration Due Date".
- \_\_\_\_\_ 3.0 Ensure the frisker is plugged into 110V AC outlet.

NOTE

The frisker will operate on battery power if no 110V AC is available.

- \_\_\_\_\_ 4.0 Check the frisker cable connections secure.
- \_\_\_\_\_ 5.0 Turn selector knob to "BATT" (battery) position and check that meter reads in BATT OK range. Assure AC light is on.
- \_\_\_\_\_ 6.0 Unplug the AC Power, Take Frisker to Supply Closet.
- \_\_\_\_\_ 7.0 Turn selector knob to "X500" position, place probe directly over the source and wait 30 to 60 seconds for meter to respond. If it does not, contact Group Leader R&EC for direction.
- \_\_\_\_\_ 8.0 Turn selector knob to X1 position.
- \_\_\_\_\_ 9.0 Relocate the frisker to the EOF entrance to be used for personnel monitoring, as appropriate, with existing conditions.
- \_\_\_\_\_ 10.0 When the frisker is no longer needed, or the EOF is deactivated, return the frisker to EOF, turn selector knob to "OFF" and plug the frisker into 110V AV electrical outlet to maintain a charge on the batteries.

Title

**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.

**22**EXHIBIT 5TECHNICAL SUPPORT REPRESENTATIVE CHECKLISTInitials

- \_\_\_\_\_ 1.0 Start a Technical Support Representative log.
- \_\_\_\_\_ 2.0 Ensure all Tech Support personnel use the tag board.
- \_\_\_\_\_ 3.0 If additional personnel are needed for technical reasons or NRC interface, request the Group Leader Admin Support to call out personnel. Tech Support staff from other teams, Licensing personnel, or Corporate Licensing may be helpful in providing information to the NRC.
- \_\_\_\_\_ 4.0 Monitor the (01) Conference Line ED/OPS Headset to keep abreast of Plant conditions. This line is not to be used for communicating Engineering questions, concerns or discussions. Engineering tasks should be communicated over other EP lines or alternate lines as appropriate.
- \_\_\_\_\_ 5.0 Initialize the Plant Computer System Terminal and Display Data on center screen. Operating aids for the projector are at the projector.
- \_\_\_\_\_ 6.0 Ensure the computer is on next to the projector stand in center. This computer is also connected to the projector and can display other information as desired, such as logs, action items, etc.
- \_\_\_\_\_ 7.0 Ensure the PPM Computer is on and displaying appropriate tables as requested.
- \_\_\_\_\_ 8.0 Review, as appropriate, Exhibit 1B, NRC Emergency Response Interface.
- \_\_\_\_\_ 9.0 If problems are encountered with emergency telephones, contact the EOF Communications Coordinator.
- \_\_\_\_\_ 10.0 Verify that prints, technical manuals, reference materials, etc., are available in the Technical Support area.
- \_\_\_\_\_ 11.0 Initiate the development of a watchbill for your organization that will support the emergency on a 24 hour/day basis using Exhibit 11 and provide to the Group Leader Admin. Support.

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EXHIBIT 5 (continued)

TECHNICAL SUPPORT REPRESENTATIVE CHECKLIST

Initials

- \_\_\_\_\_ 12.0 When the BNE arrives, establish an information exchange pathway with them. Provide known current plant status. Ensure communications are clear and precise. It is important to answer all BNE questions concerning plant status, release pathway etc. in a timely fashion. The ESD should be made aware of any request that can not be met in a timely fashion so that the appropriate contacts can be made to answer the question.
- \_\_\_\_\_ 13.0 Be prepared to advise the ESD on any plant or technical information which may be needed and review the PAR Logic Diagram (Exhibit 1C) and obtain data necessary to answer PAR questions in advance of PAR discussion.
- \_\_\_\_\_ 14.0 Obtain additional technical support (as requested) for the Emergency Response Organization through contact with the Corporate Engineering dept. personnel. Call-out additional assistance through use of the Engineering dept. call-out list.
- \_\_\_\_\_ 15.0 Review the appropriate press releases for technical accuracy, as quickly as possible, when requested by the PI rep. or ESD. Utilize the guidance in Exhibit 9A as a reference.
- \_\_\_\_\_ 16.0 Forward this completed form to the EOF Communications Coordinator.

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

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EXHIBIT 6

MATERIALS MANAGEMENT COORDINATOR CHECKLIST

Initials

- \_\_\_\_\_ 1.0 Access the Automated Materials Management System (AMMS).
- \_\_\_\_\_ 2.0 Initiate the development of a watchbill for your organization that will support the emergency on a 24 hour/day basis using Exhibit 12 and provide to the Group Leader Admin. Support.
- \_\_\_\_\_ 3.0 Be prepared to place the EOF microwave system backup generator in service using Exhibit 6A when directed by the ESD.

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

Title  
**EMERGENCY OPERATIONS FACILITY (EOF)**

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EXHIBIT 6A

LAKWOOD MICROWAVE ROOM

EMERGENCY ELECTRIC PROCEDURE

1.0 PURPOSE

The purpose of this procedure is to provide the necessary steps to provide an emergency electric power supply for the microwave radio equipment and base station radio equipment located at the Lakewood facility.

NOTE

The microwave communications system will function for up to eight hours after a loss of power on its batteries. Before connecting the portable generator, attempt to contact tele-communications technicians from the Larrabee Shop, phone number (732) 370-7242. During off hours contact the Pinelands Area Load Supervisor at (973) 455-8274 and request that technicians be called out to connect the generator. The tele-communications supervisor may also be paged at (973) 203-8164.

2.0 PROCEDURE

- 2.1 Move the portable emergency generator from the boiler room to the rear of the building; the generator should remain outside the building and be within close proximity of the microwave room. The key for the boiler room must be gotten from the key cabinet in the EOF. The key for the lock on the generator security chain is located on the "Emergency Backup Generator Supplies" board located in the microwave room.
- 2.2 Fill the generator with gas. Gas containers and gas can be found in the "Flammable Fuels" cabinet located in the Line Department's fenced-in storage enclosure. Note that gas is also available at the outside gas pumps which are also powered by a backup generator.
- 2.3 On the generator, set the Voltage Selector to the "120V/240V" position.
- 2.4 On the generator, set the AC Circuit Breaker to the "OFF" position.
- 2.5 On the two battery charger/eliminators, set the Power Switches to the "OFF" position.

Title

**EMERGENCY OPERATIONS FACILITY (EOF)**

Revision No.

**22**EXHIBIT 6A  
(Cont'd)LAKWOOD MICROWAVE ROOMEMERGENCY ELECTRIC PROCEDURE

- 2.6 Disconnect the base station radios power cords.
- 2.7 Disconnect the two power cords for the battery charger/eliminators.
- 2.8 Select one of the battery charger/eliminators for use. Only one is required to supply the necessary power for the microwave equipment.
- 2.9 On the selected battery charger/eliminator open the front panel by loosening the two top screws. Set the battery charger/eliminator input source switch to operate at "240 Volts".
- 2.10 Connect the two extension cords to the generator and the appropriate equipment.  
The extension cords are located on the "Emergency Backup Generator Supplies" board located in the microwave room. The "120 Volt" extension cord is for the base station radios; the "240 Volt" extension cord is for the one selected battery charger/eliminator which will power the microwave equipment.
- 2.11 Start the generator by turning the ON/OFF switch to the "ON" position and pulling the starter rope. A choke is also available and may have to be used. See the generator operator manual for additional operating instructions.
- 2.12 On the generator, turn the AC Circuit Breaker to the "ON" position.
- 2.13 On the selected battery charger/eliminator, set the POWER switch to the "ON" position.
- 2.14 The microwave equipment and the base station radios are now back in operation powered the emergency backup generator.
- 2.15 To ensure adequate cooling for the microwave room, keep the door open and apply forced ventilation via electric fan. The fan may be plugged into the extension cord used by the radios.

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EXHIBIT 7

EOF COMMUNICATIONS COORDINATOR CHECKLIST

INITIALS

- \_\_\_\_\_ 1.0 Report to the ESD Assistant, monitor and support/direct communicator activities in support of the emergency.
- \_\_\_\_\_ 2.0 Ensure that sufficient communications capability exists to function satisfactorily. Report phone problems to the TSC Communications Coordinator who will initiate repairs.
- \_\_\_\_\_ 3.0 Verify all computers are running and displaying the appropriate information.
- \_\_\_\_\_ 4.0 Set the EOF clock to agree with the time displayed by the PCS. (During drills ask the controller). Maintain a communications log, recording significant communications related events. Utilize the PC if available, or other means of recording information.
- \_\_\_\_\_ 5.0 Ensure all communications personnel use tag board.
- 6.0 Call out additional personnel if required.

NOTE

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

- \_\_\_\_\_ 7.0 Assign responsibilities to Communicators for:
- Notifications to offsite agencies (EPIP-OC-.03) as appropriate.
  - Maintaining ESD log and ESD Action Items using a PC or other means as appropriate or available.
  - Status boards if needed or appropriate.

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EXHIBIT 7  
(continued)

EOF COMMUNICATIONS COORDINATOR CHECKLIST

INITIALS

- \_\_\_\_\_ 8.0 When the ESD activates the EOF, contact the ECC Communications Coordinator and assume Off-site notification responsibilities unless directed not to do so. Request all completed off-site notifications checklists and station status checklists be faxed, so that there is a clear understanding of which notifications have been made from the ECC.
- Time of Transfer: \_\_\_\_\_
- ECC Communications Coordinator: \_\_\_\_\_  
Name
- \_\_\_\_\_ 9.0 Initiate the development of a watch bill for your organization that will support the emergency on a 24 hour/day basis. Refer to Exhibit 12.
- \_\_\_\_\_ 10.0 Upon termination of the emergency ensure that communications equipment and supplies are replaced and returned to a ready status upon deactivation of the EOF.
- \_\_\_\_\_ 11.0 Upon termination of the emergency, ensure those agencies previously notified in EPIP-OC-.03 have been advised of the termination.
- \_\_\_\_\_ 12.0 Forward all completed logs and records to the Emergency preparedness Department.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
EOF Communication Coordinator

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EXHIBIT 8

EOF COMMUNICATOR GENERAL DUTIES

- 1.0 Report to EOF Communications Coordinator.
- 2.0 Receive and direct incoming calls to requested positions.
- 3.0 Complete outgoing calls as directed by Emergency Management.
- 4.0 Direct outgoing messages to appropriate facilities.
- 5.0 Maintain telephone log and/or message log current.
  - 5.1 Communications logs are stored at the communicator's duty station via the PC or book. Alternately, Exhibit 15 may be used.
  - 5.2 The following items should be recorded:
    - All significant telephone conversations (e.g.: 08:40-ESD called re Status of OSC Team #8)
    - Date and time of emergency declarations
    - Notifications of offsite agencies
    - Incoming fax transmissions
    - Plant status prior to and at the time of emergency declarations
    - Logging and routing of incoming message forms
    - Major actions requested and major actions performed (by whom)
    - Significant information (e.g., Protective Action Recommendations, requests for assistance, etc.)
    - Communications with offsite agencies
- 6.0 Collect all paper records (Ensure records have been completed as appropriate) and turn over to EOF Communications Coordinator for review.
- 7.0 Report telecommunications problems to EOF Communications Coordinator.

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EXHIBIT 8  
(continued)

EOF COMMUNICATOR GENERAL DUTIES

- 8.0 Perform offsite notifications in accordance with EPIP-OC-.03 as directed by EOF communications Coordinator.
- 9.0 Relay requests.
- 9.1 Verbal requests for engineering information (TSC) should be logged. Request may be followed up with written communications over the fax.
- 9.2 When transmitting a written request:
- transcribe it (as necessary) onto the Emergency Message Form (Exhibit 16)
  - complete all spaces on the form
    - message number (Communicators may assign message numbers to correspond with individual Communicator's log but must reserve the Message Number Line for the number assigned by Plant Status Update Line Communicator).
    - to whom directed
    - to center directed
    - "from" person
    - "from" center
  - Completed form should be faxed to the appropriate center. The reply may be stapled to, or transcribed onto the same message form.
  - Number and log each fax transmission using Exhibit 17.

NOTE

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

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EXHIBIT 9

PRESS 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 releases shall include the time that the information is current and be written in accordance with the following guidelines.
- 2.0 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. Operational Status of Plant

A simple description of plant status at the time of the emergency declaration (e.g., OCNCS was operating at 100% power when the leak was discovered, however, the plant is currently reducing power).
  - d. Company/Government Interface

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

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EXHIBIT 9  
(Continued)

PRESS RELEASE APPROVAL GUIDANCE

e. Corrective Actions

This should be a non-technical 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. (pre-approved boiler plate news releases are contained in Procedure 1820-IMP-1720.01, Attachment 1)

3.0 In addition to the above, the following guidance will be used in issuing press releases:

- Speculation, dose projections and Protective Action Recommendations should not be included in press releases.

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EXHIBIT 9  
(Continued)

PRESS RELEASE APPROVAL GUIDANCE

- All press releases must be approved by the ESD, except the press release announcing the opening and location of the Joint Information Center when it is activated. Operational and radiological review and concurrence by the ESD Assistant and Group Leader R&EC may be appropriate if the press release has radiological or operation details.

NOTE

For security related events, Press releases containing potential Safeguards information are to be reviewed by the Security Coordinator.

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 news 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 Joint Information Center for review prior to final issuance. Changes made as a result of this review should be communicated to the ESD.

- 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.

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EXHIBIT 10

EMERGENCY PREPAREDNESS REPRESENTATIVE CHECKLIST

Initials

- \_\_\_\_\_ 1.0 Ensure that EOF communications links and information displays are properly set up and functioning.
- \_\_\_\_\_ 2.0 If requested, assist the ESD in completing Exhibit 1.
- \_\_\_\_\_ 3.0 Ensure that proper information channels have been set up with BNE and NRC representatives if necessary.
- \_\_\_\_\_ 4.0 Initiate a watchbill for your position that will support the emergency on a 24 hour/day basis using Exhibit 12 and forward to the Group Leader Admin. Support.
- \_\_\_\_\_ 5.0 Ensure that all EOF personnel have used the tag board.
- \_\_\_\_\_ 6.0 Support the ESD by providing information on:
  - 1. The Emergency Plan implementation.
  - 2. On Site, Off Site and State Emergency Response facilities. Refer to the NJ State RBRP and applicable procedures (SOP's) Provide interpretation/conversion of PAR Keyhole sectors and related NJ-OEM used Emergency Response Areas (ERPA's) - (SOP-305).
  - 3. Communications abilities, means and methods. Initiate ESDs on the PC in Conf. area next to "Large Screen" TV.
  - 4. Personnel and resources availabilities.
  - 5. Procedure/Plan requirements.
- \_\_\_\_\_ 7.0 When requested by the ESD, ensure Fitness for Duty requirements are met in accordance with Exhibit 10A. Breathalizers are kept in the EOF supply cabinet.
- \_\_\_\_\_ 8.0 Approve access for those who are not badged or on the approved access list.
- \_\_\_\_\_ 9.0 Ensure the Communications Coordinator collects completed checklists from all EOF personnel when time permits and forwards them to you.

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

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EXHIBIT 10A

EMERGENCY RESPONSE FACILITY

FITNESS FOR DUTY DETERMINATION INSTRUCTIONS

NOTE

The Fitness for Duty rule applies to all Company employees (including contractors and vendors) granted unescorted access to the protected area or who are required by position or name to report to the EOF. These instructions address their evaluation for utilization in an emergency only. All "for cause" evaluations must be conducted by the Medical or Security Department.

Scope:

In accordance with 1000-ADM-2002.06, Fitness for Duty, individuals responding to an emergency who have consumed alcohol within the previous five hours but believe that they are fit for duty shall inform the Emergency Support Director and receive an evaluation. Contractor/vendor personnel shall be asked if they have consumed alcohol within the previous 5 hours. If the answer is yes, an evaluation shall be conducted.

Instructions:

The Emergency Support Director shall direct the Emergency Preparedness Representative to administer the breath alcohol evaluation in accordance with Exhibit 10B.

NOTE

Extra copies of Exhibit 10B are kept with the instrument.

Based on the results of the test, perform the following:

- 1) BAC 0.01% or less  
Allow the individual to work in the facility.

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EXHIBIT 10A  
(Continued)

EMERGENCY RESPONSE FACILITY

FITNESS FOR DUTY DETERMINATION INSTRUCTIONS

- 2) BAC greater than 0.01% but less than 0.04%  
Allow the individual to work in the facility. Re-test the individual approximately every thirty minutes to determine the maximum BAC. If the maximum BAC is equal to or greater than 0.04%, refer to Step 3. If less than 0.04%, no further action is required.
- 3) BAC equal to or greater than 0.04%  
If determined that the individuals unique knowledge or skills are required, that Individual shall only be permitted to work with permission of the Site Director, (or in his/her absence, his/her designee), Emergency Support Director, Emergency Director, or Office of the President only after satisfactory assurance, that the individual is capable of performing his/her duties. Remind the Emergency Support Director that if this individual is needed to work, he/she must be escorted at all times. Arrangements should be made as soon as practicable for (For Cause) testing in accordance with 1000-ADM-2002.06.

NOTE

Individuals not "ON CALL" who report to their Emergency Response Facility and test equal to or greater than 0.04 percent BAC are not subject to disciplinary action.

- 4) Ensure the individual who tested equal to or greater than 0.04 percent, if not needed, is not permitted to drive home. Provide a place for the individual to rest or contact Group Leader - Admin Support to arrange for transportation.
- 5) Be alert for any individual that exhibits aberrant behavior or smell of alcohol. Test these individuals in accordance with this exhibit. If aberrant behavior cannot be attributed to a positive BAC reading, ask the Group Leader - Admin Support to contact the Security Department for further action.

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SAMPLE

EXHIBIT 10B  
ALCO SENSOR III OPERATIONAL CHECKLIST

TEST SUBJECT NAME: \_\_\_\_\_ DATE: \_\_\_\_\_  
SOCIAL SECURITY #: \_\_\_\_\_ SERIAL #: \_\_\_\_\_  
TIME OF TEST: TEST 1 \_\_\_\_\_ TEST 2 \_\_\_\_\_  
TEST RESULT (BAC): TEST 1 0. \_\_\_\_\_ % TEST 2 0. \_\_\_\_\_ %  
OPERATOR NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

INSTRUCTIONS - check each box after completion of step.

NOTE

The fifteen minute observation period of the subject may be waived as long as a positive test result is not received. Should a positive test result be indicated, it shall be disregarded and the alcohol breath test started anew after at least a 15 minute observation period.

A weak battery is indicated by an "8.888" in the display window. Replace battery.

1.  Check temperature window on back of unit (should read 20° to 36°C)
2.  Have the individual mount mouth piece on unit.
3.  Press "READ" button and hold for (10) seconds. Check to see if .000 is constant. If not, press "Set" button and recheck in one minute. If the display reads greater than .000, use another unit or send individual to another location. Remove the instrument from service and forward to the Medical Department for repair and use another instrument for testing.
4.  Press "SET" button.
5.  Instruct subject to take a deep breath and blow steadily through the tube until told to stop (minimum of 4 seconds). (NO smoking within [15] minutes of test.)
6.  Push "READ" button during third second that the subject is blowing. (Subject MUST continue to blow for a minimum of one [1] second after the "READ" button is depressed.)

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EXHIBIT 10B  
(Continued)

ALCO SENSOR III OPERATIONAL CHECKLIST

7.  Keep "READ" button depressed until reading stops climbing.
  
8.  Record and time of TEST 1/TEST 2. (Note: The two readings must agree within  $\pm 10\%$ , of the averages of the two measurements, if not, use another instrument)
  
9.  Press "SET" button to accelerate elimination of reading and electrically clean the cell surface.
  
10.  Wait a minimum of two minutes and a maximum of 10 minutes and repeat Steps 3 through 9.

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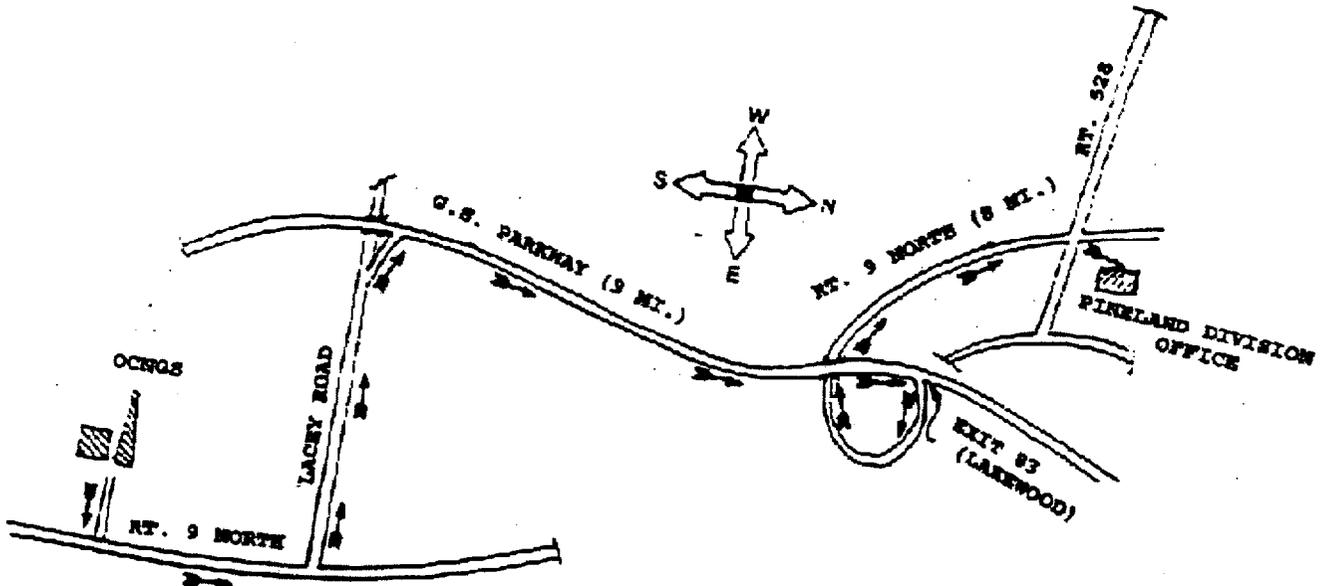
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EXHIBIT 11

ROUTE TO EOF

(PINELAND DIVISION OFFICE)

1. Take Route 9 north to Lacey Road.
2. Make left on to Lacey Road and travel west to the Parkway North entrance which will be on your right.
3. Take Garden State Parkway North to exit 83 (Lakewood).
4. Follow jug handle to Route 9 North. (An AT&T microwave tower is located in the center of the jug handle.)
5. Take Route 9 North.
6. The EOF (Pineland Division Office) is on the right about 500 ft. past the light at the intersection of Routes 9 and 528.



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EXHIBIT 12

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**SAMPLE**

DATE:

EMERGENCY SHIFT SCHEDULE

GROUP (eg. Admin.):

TIME:	SHIFT 1	SHIFT 2	SHIFT 3
BEGIN			
END			

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

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**EMERGENCY OPERATIONS FACILITY (EOF)**

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**22**EXHIBIT 13ALTERNATE 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 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 SOSC 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 and vice versa.
5. Emergency Assembly Area - The EAA may be redirected to the Forked River Assembly Area or to the Remote Assembly Area at Berkeley Line 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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**EMERGENCY OPERATIONS FACILITY (EOF)**

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**22**Exhibit 14**SITE ACCESS POLICY FOR MEDIA DURING EMERGENCIES**

Providing reasonable site access to the media during a plant emergency is in the best interest of OCNCS 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 Dept. 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 18, 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 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.

ED/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.



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EXHIBIT 16

**SAMPLE**

<b>Emergency Message</b>						Number _____
<b>To:</b>	OSC	TSC	EACC	_____		
	ECC	EOF	Staff Position/Other			
<b>Message:</b>						
<b>Originator:</b> _____						
<b>Location:</b>	ECC	TSC	OSC	EACC	EOF	Date
<b>Reply:</b>						
<b>Reply Completed by:</b> _____						
		Staff Position/Other	Initials	Time	Date	

A0001731 10-84



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EXHIBIT 18  
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. \_\_\_\_\_

**OYSTER CREEK  
EMERGENCY PREPAREDNESS  
IMPLEMENTING PROCEDURE**

Number  
**EPIP-OC-.26**

Title <b>THE TECHNICAL SUPPORT CENTER</b>	Revision No. <b>21</b>
Applicability/Scope Applies to work at Oyster Creek Division & Support Divisions	Responsible Office Emergency Preparedness
This document is within QA plan scope <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Safety Reviews Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Effective Date  Date of Sale

Prior Revision 20 incorporated the following Temporary Changes:

N/A

This Revision 21 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 21)

- 1.0 - 5.0
- E1-1 to E1-20
- E2-1
- E3-1 to E3-4
- E4-1 to E4-2
- E5-1 to E5-2
- E6-1
- E7-1
- E8-1 to E8-2
- E9-1 to E9-2
- E10-1 to E10-6
- E11-1 to E11-3
- E12-1
- E13-1 to E13-5
- E14-1
- E15-1 to E15-2
- E16-1
- E17-1
- E18-1
- E19-1
- E20-1

**NON-CONTROLLED  
This Document Will Not  
Be Kept Up To Date  
DCC Oyster Creek**

	Signature	Concurring Organization Element	Date
Originator		Emergency Planner	1/5/00
Concurred By		Director, Ops/Mtce.	1-7-00
Approved By		Emergency Preparedness Mgr, O.C.	1/11/00

Title  
**THE TECHNICAL SUPPORT CENTER**

Revision No.  
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DOCUMENT HISTORY

REVISION	DATE	ORIGINATOR	DESCRIPTION OF CHANGE
10		A. Smith	Improve guidance for authorizing deviations from procedures, operating limits, Tech, Spec's, license and license conditions. Added Exhibit 13.  Also changed reference to EPIP-OC-.23 to EPIP-COM-.44.  Provide guidance in Exhibit 10 Computer Eng. Checklist for modem reset if ERDS has problems.  Add note concerning Main Gate Evacuation new Exhibit 14, Core Engineers Responsibilities.
11	12/94	A. Smith	Update GPUN/NRC response interface criteria per NUREG-1471. Add Exhibit 15 for media access during emergencies.
12	02/95	A. Smith	Provide guidance for Media access during Security driven events and add current time of events statement to Exhibit 1F.
13	06/95	A. Smith	Update facility titles and changes to facility locations due to elimination of trailer complexes. Delete Energy Spectrum as an alternate location for AEOF. Also renumber pages to eliminate blank page.
14	11/95	T. Blount	Corrects typo's, upgrade and modify ED Deviation Authorization Form based on feedback.
15	10/96	T. Blount	Change PAR guide and Logic diagram to make Evacuation Preferred recommendation. Deleted reference to AEOF based on Rev. 11, E Plan change. Deleted TSC Layout diagram since it is normally set up.
16	06/97	A. Smith	Reflect recent improvements in Technology and incorporate communicator activities from EPIP-OC-.04.
17	08/98	A. Smith	Improve & clarify ED Assistants first step on checklist. Reword press release reviews for ED Assistant to be consistent with EPIP-OC-.25. Which is less ambiguous. Make Tech. Assistants checklists responsibilities instead of check offs.
18	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)
19	05/99	A. Smith	Revise the public information-process. Change reporting of Tech Assistant to the ED instead of Comm. Coord.
20	10/99	A. Smith	Clarify Core Eng. reporting to EOC then TSC.
21	DOS	A. Smith	Change references from GPU to OCNCS.

Title  
**THE TECHNICAL SUPPORT CENTER**Revision No.  
**21****1.0** PURPOSE

1.1 This procedure provides for the activation, operation, deactivation, and evacuation of the Technical Support Center (TSC).

**2.0** APPLICABILITY/SCOPE

2.1 This procedure applies to TSC personnel.

**3.0** RESPONSIBILITIES

3.1 The Initial Response Organization Emergency Director is responsible for completing Exhibit 1.

3.2 The ED Assistant is responsible for assisting in completing Exhibit 1.

3.3 The Tech Support Center Coordinator is responsible for completing Exhibit 3 and implementing Exhibit 9 as appropriate.

3.4 The Tech Support Engineers are responsible for completing Exhibit 4 and 5.

3.5 The Chemistry Coordinator is responsible for completing Exhibit 6.

3.6 The Radiological Assessment Coordinator is responsible for completing Exhibit 7.

3.7 The Radiological Assessment Support Engineer is responsible for completing Exhibit 8.

3.8 The Core Engineer is responsible for implementing Exhibit 14.

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4.0 PROCEDURE

4.1 Initial Response Emergency Organization (IRO) personnel assigned to the Technical Support Center (TSC) will report to the TSC when they are notified of activation of the IRO and perform the responsibilities identified in their assigned exhibits to this procedure and as requested by their emergency organization supervisors.

5.0 REFERENCES

- 5.1 2000-PLN-1300.01 OCNCS Emergency Plan.
- 5.2 OEP-ADM-1319.02, "Emergency Response Facilities and Equipment Maintenance"
- 5.3 EPIP-OC-.01, "Classification of Emergency Conditions"
- 5.4 EPIP-OC-.27, "The Operations Support Center"
- 5.5 2000-ABN-3200.30, "Control Room Evacuation"
- 5.6 1820-IMP-1720.01, "Emergency Communications Implementing Procedure"

6.0 EXHIBITS

- 6.1 Exhibit 1, Emergency Director Checklist.
- 6.2 Exhibit 1A, Emergency Director Turnover Checklist.
- 6.3 Exhibit 1B, Protective Action Recommendation Guide.
- 6.4 Exhibit 1C, Oyster Creek PAR Logic Diagram.
- 6.5 Exhibit 1D, Emergency Director Responsibilities.
- 6.6 Exhibit 1E, NRC Emergency Response Interface Criteria.
- 6.7 Exhibit 2, Control Room Evacuation.
- 6.8 Exhibit 3, TSC Coordinators Checklist.
- 6.9 Exhibit 4, TSC Coordinator Checklist.

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- 6.11 Exhibit 5, TSC Checklist.
- 6.12 Exhibit 5A, TSC Technical Assistant Responsibilities.
- 6.13 Exhibit 6, TSC Chemistry Coordinators Checklist.
- 6.14 Exhibit 7, TSC Radiological Assessment Coordinators Checklist.
- 6.15 Exhibit 8, TSC Radiological Assessment Support Engineer Checklist.
- 6.16 Exhibit 9, Press Release Approval Guidance.
- 6.17 Exhibit 9A, Public Information Representative Checklist.
- 6.18 Exhibit 10, Plan for Storage and transfer of Contaminated Water.
- 6.19 Exhibit 11, Relocation of the TSC.
- 6.20 Exhibit 12, Alternate Emergency Response Facilities.
- 6.21 Exhibit 13, Emergency Director Authorization Form for Deviations from Requirements.
- 6.22 Exhibit 14, Core Engineers Responsibilities.
- 6.23 Exhibit 15, Site Access Policy for Media During Emergencies.
- 6.24 Exhibit 16, Emergency Shift Schedule.
- 6.25 Exhibit 17, HiFax Log.
- 6.26 Exhibit 18, Communications Log.
- 6.27 Exhibit 19, Emergency Communicator Log.

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EXHIBIT 1

Emergency Director's Checklist

NOTE

The Emergency Director may initially report to the ECC to assess plant status. He may assume ED duties in the ECC but should activate the TSC and relocate to it in a timely manner. The ED Assistant will assist with the completion of this checklist but may not assume ED responsibility as delineated in Exhibit 1D.

Initials

1.0 Activate the TSC by performing these steps:

\_\_\_\_\_ 1.1 ED Assistant has confirmed that the following areas are functional (Areas need not be 100% activated to be considered "functional"). Once the following areas are functional inform the ED that the center is ready to be activated and receive him if not already in TSC.

Technical Support  
Radiological Assessment  
Communications link to Control Room and OSC

NOTE

Areas need not be 100% staffed to be considered functional

\_\_\_\_\_ 1.2 The ED will complete Exhibit 1A of this procedure by obtaining a turnover from the Shift ED (GSS/SSM). This may be done in the Emergency Control Center, face to face, or may be done from the TSC by phone.

\_\_\_\_\_ 1.3 Brief the TSC staff including NRC (if available).

\_\_\_\_\_ 1.4 Once the above steps have been completed, inform the Shift ED that you are ready to assume your position as ED and will take over ED responsibilities (Exhibit 1D contains these for reference).

\_\_\_\_\_ 1.5 Announce to the TSC staff that you are the ED, the TSC is activated and will assume Site Command and Control and off site notifications if appropriate. Notify site protection security supervisor that the TSC is activated.

\_\_\_\_\_ 1.6 Review all press releases related to the emergency that have been approved for release by the Shift ED. **Only the ED can approve.**

\_\_\_\_\_ 1.7 Log TSC Activation time in ED Log.

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EXHIBIT 1

Emergency Director's Checklist  
(cont'd)

Initials

2.0 TSC Operations

\_\_\_\_\_ 2.1 TSC information exchanges should take place periodically (approximately one every hour) with NRC (if available), RAC, Technical Support Coordinator, Technical Assistant, ED Assistant, EAA Coordinator and other staff as necessary. Log briefing time and synopsis of briefing in ED Log for each occurrence.

\_\_\_\_\_ 2.2 EDA or designee to maintain the ED's log and track assigned action items.

2.2.1 Action items resulting from ED assignments shall be logged and tracked, and their disposition should be discussed periodically. The rolling white board or the PC may be used to display Action Items.

\_\_\_\_\_ 2.3 If the ED leaves the TSC for any reason, as the ED assistant, assume the person-in-charge until the ED returns.

NOTE 1

This does not include assuming ED responsibilities (see exhibit 1D for reference).

NOTE 2

Interrupt the ED Conferences or phone calls to inform him of major plant changes or as other conditions warrant.

\_\_\_\_\_ 2.4 EDA to brief NRC and provide liaison.

\_\_\_\_\_ 2.5 When the EOF is activated the ESD will seek an initial briefing. There after the ED should periodically brief the ESD approximately hourly or as conditions change. The ESD may take this briefing with his staff (and NRC/BNE) via a speaker phone.

NOTE

These briefings shall be general in nature. Technical discussions should be conducted between the TSC and EOF engineering staff to ensure accuracy.

\_\_\_\_\_ 2.6 EDA is point of contact for NEI or EPRI or INPO.

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EXHIBIT 1

Emergency Director's Checklist  
(cont'd)

Initials

- \_\_\_\_\_ 2.7 EDA directs efforts as appropriate for the following groups:
- Communicates through the ECC and TSC communications coordinators.
  - Security through the Security Shift Commander.
  - Emergency Assembly Area through Security or the EAA coordinator.
- \_\_\_\_\_ 2.8 Ensure that any TSC or Security teams are tracked by the OSC.
- \_\_\_\_\_ 2.9 Review, as appropriate, Exhibit 1E, NRC Emergency Response Interface.
- 3.0 Site ED Page
- \_\_\_\_\_ 3.1 Periodic briefings (hourly or when major changes in plant status have occurred) should take place using the ED page system. This system goes to all on-site Emergency Response Facilities (OSC, ECC, Main Gate, North Gate, TSC).
- 4.0 Press Releases (If not yet assumed by ESD)
- 4.1 Press releases should be issued within approximately one hour from the time that a major plant event has occurred. "Draft" press releases shall have a timely review. Refer to Exhibit 9 for additional guidance.

NOTE

Pre-approved boiler plate press releases are contained in Procedure 1820-IMP-1720.01, Attachment 1. Boiler plate information need not have the ED/ESD approval.

- 4.2 Once the Governor has declared a "state of emergency", ensure all OCNCS press releases are provided to the state police representative at the Media Center for review and agreement.

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**21**EXHIBIT 1Emergency Director's Checklist  
(cont'd)

Initials

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- 5.0 On-site Protective Actions
- 5.1 If any of the off-site GPUN Emergency Response Facilities are downwind of a radioactive release, provide for their monitoring and protection (e.g., RAA at Forked River). Exhibit 1B provides guidance.
- 5.1.1 If these GPUN facilities are within sectors that were ordered to evacuate by the State, then they should be relocated to an alternate facility.
- 5.2 If site accountability has been ordered, ensure it is logged on PAR status board, in the ED's log, and communicated to the ESD. Direct the C.R. to make the appropriate page announcement for accountability. If needed, provide the route to the EAA (OCAB/Warehouse).
- 5.3 If a site evacuation has been ordered, ensure provisions are made for providing site employees with instructions on reporting to work for the next business day. Site evacuation should be logged on PAR status board, ED's log, and communicated to ESD.
- 6.0 Changes to Emergency Classifications

NOTE

If the Communications have not been turned over to the EOF, off-site notifications must be made within 15 minutes of an emergency declaration.

- 6.1 Immediately notify the TSC Communications Coordinator of any changes in emergency classifications and direct the notifications be completed.
- 6.1.1 All notifications for on-site and off-site should be conducted from the Control Room if available, until the off-site notifications are assumed by the EOF. Upon changes in classes direct the Control Room (ECC Comm Coord, Ops Coord or GSS) to complete the appropriate notifications. This directions satisfies the approval of such notifications.
- 6.1.2 If off-site notifications have been turned over to EOF, immediately confer with ESD on the need to reclassify the emergency. Remind him to ensure appropriate off-site notifications are made within 15 minutes.
- 6.2 Log any changes in classification in the ED Log.

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EXHIBIT 1

Emergency Director's Checklist  
(cont'd)

Initials

7.0 Off-site Protective Action Recommendations (PAR)

NOTE

These actions shall be performed if off-site PAR responsibility is not turned over the ESD. They may be done in parallel if responsibility has been turned over.

- \_\_\_\_\_ 7.1 At the Site Area Emergency, review the PAR Logic Diagram (Exhibit 1C) in preparation for a General Emergency declaration.
- \_\_\_\_\_ 7.2 At the General Emergency, immediately review the PAR Logic Diagram (Exhibit 1C) with appropriate staff members. Develop a PAR within approximately 15 minutes from the GE declaration and approve the off-site notification form for transmitting the PAR to the State.
- 7.3 OCNCS should attempt to obtain agreement from the NJBNE and NRC on the PAR. However, whether agreement is or is not reached, OCNCS shall communicate its PAR to the State OEM within approximately 15 minutes from the time the GE was declared.
- 7.4 The PAR should not be included in press releases.
- 7.5 The ED should ascertain from the NJOEM what protective action has been implemented off-site ( $\approx$  45 min. after providing PAR). This should be provided to NRC via the ENS Line as required by 10-CFR 50.72 - follow-up Notifications - (if not done by ESD). Off-site protective action and time implemented should be logged in ED's Log.
- 8.0 All deviations from procedures, equipment operating limits, Technical Specifications, License, and License Conditions will be authorized and documented using the guidance in Exhibit 13.

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EXHIBIT 1  
Emergency Director's Checklist  
(cont'd)

Initials

9.0 NRC Interface

9.1 The Security Plan allows that "when ever site conditions are, or may soon become, a danger to the public health and safety, certain safe guards measures may be suspended in accordance with the following requirements. The action taken is approved by the Manager of Plant Operations, Operations Group Shift Supervisor or Emergency Director. If the ED is not a licensed SRO, he/she must consult with a licensed SRO prior to authorizing the Suspension of any safeguards measures".

9.1.1 Security is able to process the NRC site response team rapidly if the ED (GSS/SSM) authorizes their immediate access under the above Security Plan provision. Any such authorization should be logged.

9.1.2 If this provision is not used it will likely take 2-3 hours to train, badge and allow access to the whole NRC team. This delay will detract from the functioning of the NRC Team but is clearly at the judgment/discretion of the ED.

NOTE

An alternative to waiving access requirements is to arrange for escort.

9.1.3 NRC immediate access under this Security Plan provision is meant to provide access to emergency centers only, not site wide access, RWP access or approve respiratory protective equipment use.

9.2 Brief the NRC upon arrival and determine if the Senior NRC person is the Site Team Leader or Director, Site Operations (see Exhibit 1E for reference).

9.3 NRC directives can only be received by the ESD (or in the ESD's absence, the ED). NRC should be requested to provide all directives in writing.

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EXHIBIT 1

Emergency Director's Checklist  
(cont'd)

Initials

- \_\_\_\_\_ 9.4 As time permits, discuss with the senior NRC person in the TSC the OCNCS emergency organization. Discuss that the ED oversees site related activities, maintaining general (not detailed) cognizance of reactor operations and that while the ESD oversees the whole emergency effort, he concentrates on off site interfaces and issues.
- \_\_\_\_\_ 9.5 If media access to the site is requested, refer to Exhibit 15, "Site Access Policy for Media During Emergencies".
- \_\_\_\_\_ 10.0 Long-term Recovery
- 10.1 Refer to Procedure EPIP-OC-.45 for Long-term Recovery and discuss its implementation with the ESD.
- 10.2 If a General Emergency is in effect, OCNCS will not de-escalate to a lower level of emergency. The only option is to go into Long-term Recovery and this transition shall not occur until all off-site protective actions have been completed and the State has been informed.
- 10.3 Establish long term staffing requirements and prepare appropriate watch bill.
- 11.0 Control Room Evacuation
- 11.1 Review Exhibit 2A for guidance.
- 12.0 TSC Relocation
- 12.1 Should the TSC be or become unavailable (e.g. due to Fire, Security Event, etc.) refer to Exhibit 11 which provides guidance for the establishment of TSC functions in alternate locations.
- 12.2 A description of evacuation preplanning for other Alternative Response Facilities is provided in Exhibit 12.

Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

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EXHIBIT 1A

EMERGENCY DIRECTOR TURNOVER CHECKLIST

NOTE

This form may be completed by ED in the Control Room or via phone. It may be used to brief NRC representatives upon their arrival.

EMERGENCY CLASSIFICATION

DATE/TIME OF DECLARATION

UNUSUAL EVENT

\_\_\_\_\_

ALERT

\_\_\_\_\_

SITE AREA EMERGENCY

\_\_\_\_\_

GENERAL EMERGENCY \*

\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CURRENT PAR STATUS \* (Required for General Emergency)

STATUS OF ACCOUNTABILITY/ON-SITE PROTECTIVE ACTIONS

PRESENT STATUS OF PLANT/TIME OF DATA:

DATE:

\_\_\_\_\_ AT POWER ( \_\_\_\_\_ %)

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

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

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

\_\_\_\_\_  
\_\_\_\_\_

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EXHIBIT 1A (Continued)  
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 off-site power available? YES - NO

Are both Diesel Generators operable? YES - NO

Are Diesels Running? #1 YES - NO #2 YES - NO

Are the Station Blackout CT's 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 UNKNOWN

Plume dispersion ELEVATED GROUND N/A

Details: \_\_\_\_\_  
\_\_\_\_\_

Are there any abnormally high implant 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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EXHIBIT 1B

PROTECTIVE ACTION RECOMMENDATION GUIDE

1.0 On-site

- 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 Effective Dose Equivalent (TEDE). Consult RAC.
- 1.3 Evacuation of any area, site accountability, and site evacuation may be ordered at the discretion of the Emergency Director.

Accountability is required at the declaration of a Site Area Emergency, or at the discretion of the ED in accordance with the E-Plan.

Site Evacuation is required at the declaration of a General Emergency, or at the discretion of the ED in accordance with the E-Plan.

NOTE

During Drills do not initiate Site Accountability or Site Evacuation without Drill Controller agreement.  
During Real Events accountability and evacuation shall be conducted in accordance with the E-Plan. 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.
- 1.5 Consider protective actions such as: leaving the site, sheltering, or evacuation to an assembly area for OCAB, Forked River Site, Combustion Turbine Site, Southern Area Stores Warehouse 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 RECOMMENDATION GUIDE

1.6.1 Consider use of KI if personnel have been exposed to significant radioactive Iodine. Consult RAC and Medical representative. EPIP-OC-.44 provides guidance.

1.7.1 Consider the need for security to control access to hazardous areas outside the RCA or outside the Protected Area.

1.8 Emergency Exposure Guidelines

- |                                  |                           |
|----------------------------------|---------------------------|
| A. Voluntary Life Saving Actions | No Pre-established limit  |
| B. Corrective Actions            | Administrative Guidelines |
| 1. Total Whole body dose (TEDE)  | 10 Rem                    |
| 2. Lens of the eye               | 30 Rem                    |
| 3. Total organ dose              | 100 Rem                   |

2.0 Off-site

2.1 At the General Emergency, review the Protective Action Logic Diagram and provide PAR's to the State within approximately 15 minutes of declaring the General Emergency.

2.1.1 The guidance provided by the NRC for a Protective Action Recommendation at a General Emergency is **Evacuation 2 miles in 360 degrees and 5 miles downwind. Shelter all other non-affected areas of the 10 mile EPZ.**

NOTE

If PAGs are exceeded, or are expected to be exceeded, beyond the 10' mile EPZ, assess the impact on an Ad Hoc Basis (i.e. Field Monitoring Team Data or Hand Written Contingency Calculations), and provide recommendations as appropriate.

2.1.2 Under certain circumstances it is permissible to recommend Sheltering if it is **known** that **Sheltering WILL PROVIDE GREATER PROTECTION.**

2.1.2.1 This would most likely occur only for short (puff) release periods that are less than 1.5 Hrs. (which is substantially shorter than the evacuation time).

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).

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**21**EXHIBIT 1B  
(cont'd)PROTECTIVE ACTION RECOMMENDATION GUIDE

- 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

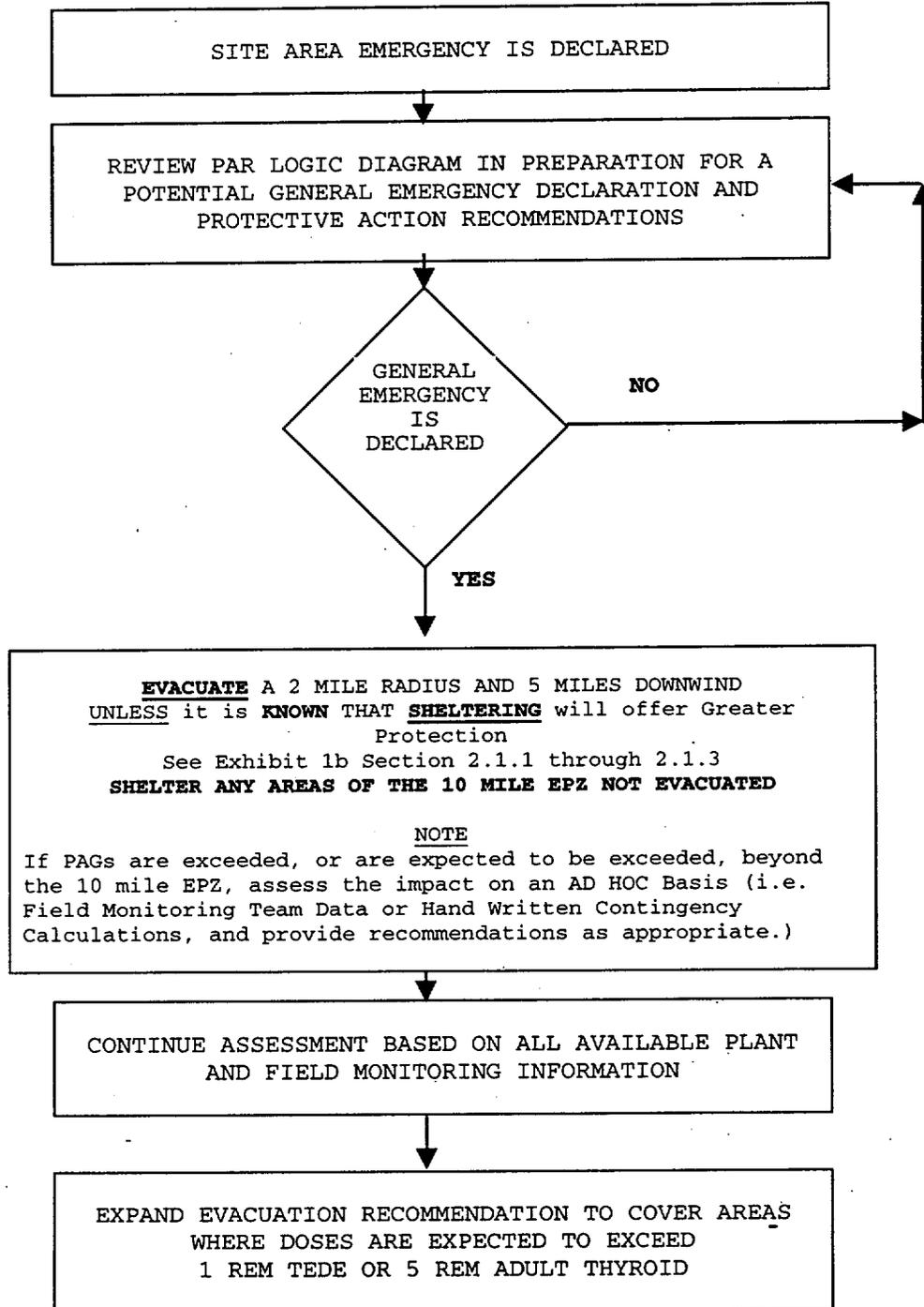
NOTE

The information in 2.1.3 a & 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, Protection Action Recommendations should not be immediately necessary, however, the PAR Logic Diagram should be reviewed.
- 2.3 Off-site protective actions should not be required during an Unusual Event or Alert.

EXHIBIT 1C

OYSTER CREEK  
PAR LOGIC DIAGRAM



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**THE TECHNICAL SUPPORT CENTER**Revision No.  
**21**EXHIBIT 1DEMERGENCY 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 off-site 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, or other pre-approved boiler plate news releases as contained in Procedure 1820-IMP-1720.01, Attachment 1.
- 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 on-site 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.

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.

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**21**EXHIBIT 1D  
(continued)EMERGENCY DIRECTOR RESPONSIBILITIES

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 judgment 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 licensee conditions or technical specifications, notify the NRC before taking such actions, if time permits or if time does not permit then within one hour.

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 Direction 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 1E

NRC EMERGENCY RESPONSE INTERFACE CRITERIA

This is a synopsis of the NRC emergency response process as it applies to OCNCS.

In essence, directives from the NRC must come from the NRC Director (typically, the NRC Chairman) or from the NRC Director of Site Operations (typically, the NRC Regional Administrator). Such advice or directive can only be communicated to the Emergency Director (the Emergency Support Director once the EOF is activated). If a directive order is issued by the NRC Director or Director of Site Operations, the ED/ESD should request written confirmation which spells out the specific nature of the directive.

While NRC advice may be challenged by the ED or ESD, directives must be complied with.

With respect to Protective Action Recommendations for the public, the NRC may either endorse the OCNCS recommendation or opt to recommend a different one. The ED/ESD is encouraged to include the NRC and State representatives in the Protective Action Recommendation discussions in order to arrive at a mutually agreeable recommendation. In the event that the NRC opts to recommend a different recommendation, they will communicate directly with the State. Their recommendation, like the utility recommendation, will be considered by the State in the development of a Governor directive.

Upon arrival of the NRC, the ED/ESD should:

- Verify who is the senior NRC person in charge
- Ask the senior NRC person to inform the ED/ESD when the position of Director Site Operations is assumed and whether the responsibility to issue directives is included.
- Request that the NRC keep OCNCS informed of all substantive information exchanges between the NRC and the slate.
- Request the NRC provide all directives in writing.

SYNOPSIS - NRC EMERGENCY RESPONSE

NOTE

Review the following as time permits and/or if the NRC is expected to respond.

Revision 2 to NUREG-0728, supplemented by NUREG-0845 and NUREG-1471, describes the manner in which the NRC will respond to an incident and provides criteria for making preplanned response decisions. They provide procedural guidance, describe the functions related to NRC emergency response, and define procedures for responding to the following NRC modes of operation.

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**21**EXHIBIT 1ENRC EMERGENCY RESPONSE INTERFACE CRITERIA

Each mode defines the scope of NRC activities related to a particular level of emergency response in ascending order of degree of involvement to deactivation. The various modes are characterized as follows:

1. Normal mode - Normal activities designed to maintain readiness.
2. Standby mode - Regional office activates the Incident Response Center (IRC with an appropriate staff and NRC Headquarters Operations Center staffed by a standby team.
3. Initial activation - NRC Operations Center is staffed by a response team, the Regional IRC is fully activated and a site team is dispatched under the leadership of the Regional Administrator, normally designated as Director of Site Operations (DSO).
4. Expanded activation - Focus on NRC response operations is shifted to the site. DSO is designated primary spokesman for the NRC and may be empowered with directive authority by the Chairman of the Nuclear Regulatory Commission.
5. Deactivation - Follow-up activities (e.g., reviews, investigation, and recovery operations).

The particular mode assumed by the NRC will be dependent upon licensee event classification and "independent NRC perception of relative severity of uncertainty of accident conditions."

NRC ADVICE

The NRC may offer advice or assistance to the Licensee during an emergency, or may respond to Licensee requests for advice or assistance. This may involve diagnosis of critical problems, development of proposed remedial courses of action, and proposals to implement additional precautionary measures. The NRC is also prepared to direct that certain actions be taken if, after thorough discussion with the Emergency Director (the Emergency Support Director once the EOF is activated) it is decided that such direction is required. In the event that such action is taken by the NRC Director or the NRC Director of Site Operations, the ED/ESD should request written confirmation which spells out the specific nature of the directive.

Directives will be communicated directly to the ED/ESD from the NRC Director (NRC Chairman) or from the NRC Director of Site Operations (DSO), typically the Regional Administrator, once appointed and empowered to do so.

Several important concepts govern the NRC in providing advice, assistance, or direction. They are:

- a. The Licensee is at all times responsible for mitigating the consequences of the incident.
- b. Although the NRC could issue formal orders to the Licensee to take certain measures and to monitor implementation, ". . . licensee continues to make other key operational decisions and to operate and manage the facility.
- c. The NRC must have a single voice when advising or directing the Licensee.
- d. The ED/ESD has the option to accept or challenge NRC advice.

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(continued)NRC EMERGENCY RESPONSE INTERFACE CRITERIA

At no time will advice or direction come from both the Director and DSO and the Licensee will always be kept apprised of who is empowered to exercise authority as the NRC Spokesman. All other NRC personnel in contact with Licensee personnel are responsible to make clear that discussions should not be construed as advice or direction but rather as a sharing or gathering of information.

NRC INPUT TO RECOMMEND PROTECTIVE ACTIONS

The NRC responsibility during an emergency, as during normal operations, is to ensure that protection of public health and safety is adequate. One aspect of exercise of this responsibility is to provide Protective Action Recommendations or advice to off-site authorities. This may take the form of an NRC endorsement of a Licensee Protective Action Recommendation or the NRC may opt to recommend additional protective actions. The NRC is not involved in the process of recommending Protective Actions, the NRC may get involved if a major problem is identified with the protective actions recommended by the licensee or protective actions undertaken by the state or local government. Additionally NRC involvement may be requested by state or local officials.

NRC ORGANIZATION

The attachment to the synopsis is provided for your information. This attachment depicts the site team organization and is an extract of the Region I supplement. It defines the number of NRC personnel expected to operate in each facility and shows the lines of communications the NRC expects to use.



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EXHIBIT 2

CONTROL ROOM EVACUATION

CR evacuation is guided by Operations Procedures. Should it be necessary Operations personnel will establish plant control via the remote shut down panels. If the CR evacuation is the initiating event, CR staff will implement their procedures and declare an Alert, activating the Emergency Response Organization. Operations Management will locate in the TSC. If the ERO is already activated, several ECC personnel will report to the TSC.

In either case guidance for integrating these resources into the TSC staff follows:

- Ops Coordinator with Technical Assistant
- GSS/SSM, STA will require table space in back of TSC to guide operators by radio.
- ECC Communicators - to Communications Coordinator for deployment in TSC, other centers, Remote Assembly Area or home.
- ECC Communications Coordinator is licensed and may be of use to OPs Coord, GSS/SSM, TSC Coord, EOF or as NRC liaison. Discuss these arrangements with the OPs Coordinator and deploy personnel accordingly.

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EXHIBIT 3

TSC Coordinators Checklist

Initials

1.0 TSC Activation

\_\_\_\_\_ 1.1 The TSC should be declared ready for the ED when the following areas are functional:

NOTE

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

- Radiological Assessment
- Technical Support (appropriate engineering expertise)
- Communications links to Control Room and OSC

NOTE

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

\_\_\_\_\_ 1.2 When possible perform, or have a Technical staff member perform, a briefing of the TSC staff prior to the ED's arrival. This should provide the staff with the current emergency conditions

\_\_\_\_\_ 1.3 Ensure all required TSC personnel use the position tag board and display position tags.

\_\_\_\_\_ 1.4 Ensure the RASE has set up one entry point with a frisking station is established. Based on actual or expected emergency conditions, Rad Con will evaluate whether or not a whole body frisk is required for entry into the TSC. If a whole body frisk is required, Rad Con will post the area accordingly. Proper frisking techniques will be followed by all personnel prior to entering the TSC once the area is posted as requiring a whole body frisk.

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EXHIBIT 3  
(continued)

TSC Coordinators Checklist

- \_\_\_\_\_ 1.5 Ensure the RASE has performed continuous air monitor preoperational checks and the system is operating.
- \_\_\_\_\_ 1.6 Ensure the RASE has performed area radiation monitor preoperational checks and the system is operating.
- \_\_\_\_\_ 1.7 Check duty board in back of TSC to determine positions not manned. Notify Security of unfilled positions and ask them to call out personnel. The following engineering disciplines should be adequately represented:
  - 1.7.1 Mechanical Engineering
  - 1.7.2 Electrical Engineering
  - 1.7.3 Radiological Engineering
  - 1.7.4 Instrument and Controls Engineering

NOTE

Report to the TSC Coordinator, unless needed in the ECC. If Core Engineer reports to ECC first, then the TSC Coordinator should be informed.

- \_\_\_\_\_ 1.7.5 Core Engineering
- \_\_\_\_\_ 1.8 Callout any additional personnel as needed. Complete staffing of this area is not necessary for TSC activation. Security through the ED Assistant can help with duty roster callouts.
- \_\_\_\_\_ 1.9 Ensure one set of Emergency Plan Implementing Procedures are available at the ED's desk, the TSC Coordinator's desk, and the RAC/Chemistry Coordinator's desk.
- \_\_\_\_\_ 1.10 Ensure both PCS terminals in the TSC are functioning.
- \_\_\_\_\_ 1.11 Check on PCS availability at the OSC and EOF. Attempt to help the other centers bring on-line if necessary.
- \_\_\_\_\_ 1.12 Check the status of the ERDs link. If necessary, work to establish the line to the NRC.

NOTE

If there is an ERDS problem it may be because the modem (located in the Computer Room) is locked up. The problem may be resolved by resetting the modem or turning it off and on.

- \_\_\_\_\_ 1.13 Call Computer APPS. for additional assistance as needed.

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**21**EXHIBIT 3  
(continued)TSC Coordinators Checklist

- 1.14 Set TSC clock to match the time on the Plant Computer System display (during drills this time may be obtained from the controller).
- 2.0 TSC Operations
- 2.1 Accept assignments from the ED. Disposition them to TSC staff and log in the TSC Coordinator's log using Lotus Notes or paper.
- 2.2 If at any time it becomes necessary to operate the TSC Ventilation System review the following guidance.
- 2.2.1 There is a continuous indicating air monitor in the TSC which will provide indication if the need for use of the TSC ventilation charcoal filters. Rad Con is also located in the TSC and can provide guidance on use of the filters.
- 2.2.2 TSC Ventilation System normally operates with charcoal filters bypassed.
- 2.2.3 The filters are controlled by a two position covered switch on the rear column in the TSC. It is labeled Emergency/Normal. The Emergency position places the charcoal filters in service. The Normal position removes the filter from service.
- 2.2.4 When the charcoal filters are engaged the gauge above the Control switch should be at + 0.125 inches water or greater to assure no leakage into the room. If it is otherwise notify Radiological Controls to assess habitability and specify compensatory measures as necessary.
- 2.2.5 Log time charcoal filter enters and is taken out of service. This may be entered in the ED's Log.
- 2.2.6 Advise RAC to conduct surveys in accordance with Exhibit 8 Step 6.
- 2.3 Establish contact with Corporate Engineering Support and assess their status and resources. Engineering requests suited for Corporate Engineering should be sent to them, in writing if practical. Corporate Engineering will contact the TSC as soon as they are available.
- 2.4 Develop a shift schedule for the TSC organization Exh. (16). The current duty roster may be used to develop this schedule. Attempt to allow adequate rest time for all shifts off duty.

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EXHIBIT 3  
(continued)

TSC Coordinators Checklist

- 2.5 TSC support of site accountability.
- \_\_\_\_\_ 2.5.1 Announce Site accountability to the TSC Staff and ensure that all personnel present in the TSC have key carded into the Accountability Key Card Reader.
- 2.6 If notified by the Security Shift Commander/designee of security computer failure, complete Steps 2.6.1 through 2.6.4.
- \_\_\_\_\_ 2.6.1 Assign an individual to collect accountability cards in facility.
- \_\_\_\_\_ 2.6.2 Direct individual to sort the cards into separate groups for North Gate and Main Gate.
- \_\_\_\_\_ 2.6.3 Direct individual to call both Main Gate and North Gate Security with badge slot numbers within 10 minutes of initial declaration of accountability.
- \_\_\_\_\_ 2.6.4 Accountability notifications completed for facility.
- \_\_\_\_\_ 2.7 Should long term accident management require it, Exhibit 10 provides guidance on storage/transfer of contaminated water.
- 3.0 Facility deactivated by order of Emergency Director.
- \_\_\_\_\_ 3.1 Documents, records, and reports delivered to Emergency Preparedness Department.
- \_\_\_\_\_ 3.2 Record any equipment failures.
- \_\_\_\_\_ 3.3 Refile prints and procedures as required.
- \_\_\_\_\_ 3.4 Report discrepancies to the Emergency Preparedness Dept.
- \_\_\_\_\_ 3.5 TSC returned to standby condition.
- 4.0 TSC Evacuation
- 4.1 Should the TSC be or become unavailable (e.g.; due to Fire, Security Event, etc.) refer to Exhibit 11 which provides guidance for the establishment of the TSC Functions in alternate locations.

NAME:

\_\_\_\_\_ Technical Support Center Coordinator

\_\_\_\_\_ Time

\_\_\_\_\_ Date

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EXHIBIT 4

TSC COMMUNICATIONS COORDINATOR CHECKLIST

INITIALS

- |       |     |   |
|-------|-----|---|
| _____ | 1.0 | Report to the ED Assistant and support information transmittals to ECC, OSC, EOF, BNE and NRC using Exhibit 19 or Lotus notes as appropriate. |
| _____ | 2.0 | Set the TSC clock to agree with the time displayed by the PCS. (During drills, ask the Controller)  |
| _____ | 3.0 | Log appropriate activities or tasks via lotus notes or exhibit 18.  |
| _____ | 4.0 | Dim the lighting in the front of the TSC to enhance data display.   |
| _____ | 5.0 | Activate fax and set time in accordance with PCS Clock. Send test transmissions to the activated Centers.                                     |
| _____ | 6.0 | Number and log each fax transmission using Exhibit 17.  |

NOTE

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

- 7.0 When the ED Assumes command and Control in the TSC, Relay Appropriate directives to the ECC Communications Coordinator Such as:
1. Perform Off-site Notifications
  2. Perform On-site Notifications
  3. Transfer Notification Responsibilities.
- 8.0 Ensure that communications to the NRC via NRC/ENS line are made by an individual knowledgeable of plant systems. This may require callout of additional personnel. Only one Emergency Center should provide this function at one time.
- 9.0 Report failed communications systems to information services for resolutions when needed have security or the group leader admin. callout information services telecommunications personnel. These individuals will work under the TSC Communications Coordinator's direction to repair phone problems in emergency centers. If they must leave the SEB to effect repairs, coordinate their movements with the OSC as a repair team. A briefing via telephone is permissible if briefing items are logged. Alternately the briefing forms could be telefaxed from OSC to TSC and back. Report ENS or ERDS phone line problems (FTS-2000) to the NRC at (301) 816-5100.

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EXHIBIT 4  
(continued)

TSC COMMUNICATIONS COORDINATOR CHECKLIST

INITIALS

- \_\_\_\_\_ 10.0 If the Plant Computer System fails, ensure that the ECC transmits critical plant parameters to the TSC every 15 minutes or as conditions change. The TSC should retransmit plant parameters to the EOF and OSC in as timely a manner as possible.
- \_\_\_\_\_ 11.0 Upon termination of the emergency, if notification were made from the TSC ensure those agencies previously notified in EPIP-OC-.03 have been advised of the termination.
- 11.1 If Off-site notifications responsibility has been transferred, this responsibility should be transferred also, verify completion with appropriate Communication Coordinator.
- \_\_\_\_\_ 12.0 Ensure communications equipment, supplies and procedures are replaced or returned to a ready status.
- \_\_\_\_\_ 13.0 Forward all completed logs and records to the Emergency Preparedness Dept.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
TSC Communication Coord.

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EXHIBIT 5

TSC Engineers Responsibilities

- 1.0 Report to the TSC Coordinator.
- 2.0 As requested assist the TSC Coordinator in activation, operation, and recovery of the TSC. Refer to his checklist (Exhibit 3) for guidance.
- 3.0 Perform and document engineering tasks as directed by the TSC Coordinator as needed provide appropriate information to the EOF or other activated centers.
- 4.0 Present all documentation generated during the performance of their duties to the TSC Coordinator.
- 5.0 As directed, assist TSC Coordinator in deactivation of TSC.
- 6.0 Should the TSC be or become unavailable (e.g.; due to Fire, Security Event etc.) refer to Exhibit 11 which provides guidance for the establishment of the TSC functions in alternate locations.

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EXHIBIT 5A

TSC TECHNICAL ASSISTANT RESPONSIBILITIES

- 1.0 Report to the TSC Emergency Director.
- 2.0 Maintain Operations Conference Line in response to calls from Operations Coordinator .
- 3.0 Coordinate with the ED, ED Assistant and Engineering Staff in the TSC to provide technical support to the ECC pertaining to various items such as:
  - Equipment Failure
  - EOP's Support

4.0

NOTE

If operational data is not being provided as needed, actively solicit this data.

- 5.0 Monitor the Equipment Status Display System (ESDS) if available. Provide technical update on equipment status as necessary, validate and correct as needed.
- 6.0 Convey ED directives to the ECC through the Ops Coordinator as necessary. Maintain ED (TSC Staff) apprised of the operational status and activities taken by the ECC, Review EAL matrix periodically for applicability of classifications and changes to plant conditions.

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EXHIBIT 6

TSC Chemistry Coordinator Responsibilities

NOTE

Chemistry Department will staff the OSC Chemistry Coordinator position first and send a Chemistry supervisor to the TSC when available.

- 1.0 Advise the ED and RAC on conditions related to reactor coolant chemistry including, but not limited to:
  - 1.1 Normal chemistry sampling.
  - 1.2 Post Accident Sampling (PASS and RAGEMS)
- 2.0 Coordinate with the RAC to develop source term information.
- 3.0 Prestage a chemistry team to obtain and analyze an effluent sample should it become necessary. This should be given the highest priority if a release begins.
- 4.0 Prestage a PASS team to obtain and analyze samples should it become necessary. Ensure all necessary equipment and arrangements are in place should transport of the PASS sample off-site become necessary.
- 5.0 Consider actions necessary to quantify all components of radiological releases. Plan a course of action which will support post accident investigation of source term released to the environment.
- 6.0 Should the TSC be or become unavailable (e.g.; due to Fire, Security Event, etc.) refer to Exhibit 11 for guidance.

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EXHIBIT 7

TSC Radiological Assessment Coordinators Checklist

Initials

- 1.0 Periodically brief the ED on radiological conditions.
- In-plant radiation and contamination levels and associated protective actions.
  - On-site (and near site) radiological conditions and associated protective actions.
  - Off-site radiological conditions including dose projections and Protective Action Recommendations until relieved of this responsibility by the Environmental Assessment Coordinator (EAC).
- 2.0 Routinely ensure the EAC is informed of all source term information which is available.
- 3.0 Coordinate with the Chemistry Coordinator to develop source term information.
- 4.0 Maintain the meteorological and PAR status boards.
- 5.0 Periodically review Radiological EAL's in EPIP-OC-.01 "Classification of Emergency Conditions". Ensure that the ED is immediately notified of any situation which meets these EALs.
- \_\_\_\_\_ 6.0 At the Site Area Emergency assist the ED with review of the PAR Logic Diagram (Exhibit 1C). Provide route for Site Accountability to the ED that avoids/minimizes radiological hazards.
- \_\_\_\_\_ 7.0 At the General Emergency assist the ED with development of a PAR (Exhibit 1C). Provide route for Site Evacuation to the ED that avoids/minimizes radiological hazards.
- 8.0 Should the TSC be or become unavailable, (e.g.; due to Fire, Security Event; etc.) refer to Exhibit 11 for guidance.

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EXHIBIT 8

TSC Radiological Assessment Support Engineer Checklist

Initials

- \_\_\_\_\_ 1.0 Report to the Radiological Assessment Coordinator (RAC) and provide support.
- \_\_\_\_\_ 2.0 Establish one entry point with a frisking station as directed by the TSC Coordinator/Radiological Assessment Coordinator.
- \_\_\_\_\_ 3.0 Place a sign on the south door, "This TSC Entrance Closed. Use other Door".
- \_\_\_\_\_ 4.0 Perform an operational check on the continuous air monitor to ensure the system is operating. Report Status to the TSC Coordinator when complete.
- \_\_\_\_\_ 5.0 Perform an operational check on the area radiation monitor to ensure the system is operating. Report Status to the TSC coordinator when complete.
- \_\_\_\_\_ 6.0 Provide radiological evaluation on the air and ambient radiation levels of the TSC.

CAUTION

Turn on HEPA filter when continuous air monitor trends upward after initial stabilization during startup.

- 6.1 If HEPA filter turned on, have filters monitored periodically (approx. every 15-30 minutes)
- 6.2 Post area in accordance with RadCon procedures.
- 6.3 Advise TSC Coordinator of survey results.
- 7.0 Distribute self reading dosimetry to all TSC personnel.
- 8.0 Perform radiological hazard/ALARA analysis for investigative, corrective, and recovery actions as directed.
- 9.0 On an ongoing basis determine source terms for ground and elevated releases and provide to EAC.
- 10.0 Perform internal and external personnel exposure evaluations as necessary.
- 11.0 Provide on going technical support and analysis for the radiological aspects in support of radiological control activities.

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EXHIBIT 8  
(continued)

TSC Radiological Assessment Support Engineer Checklist

- 12.0 Establish Radiological Communications as the other emergency centers become activated. Maintain a Communications Log.
- \_\_\_\_\_ 13.0 Activate the Dose Assessment Computer and ensure operability. Perform off-site dose calculations as requested by the RAC using actual or projected source terms.
- \_\_\_\_\_ 14.0 Inform the RAC, or the TSC Coordinator in the absence of the RAC, that the TSC Radiological Work Area is ready for activation.
- 15.0 In the event of a radiological release, recommend on-site and near site protective actions as appropriate (see Exhibit 1B for guidance).
- 16.0 Maintain the Emergency Classification/PAR and Meteorology Status Board.
- \_\_\_\_\_ 17.0 Present all documentation generated during the performance of their duties to the TSC Coordinator.

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EXHIBIT 9

PRESS 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 releases shall include the time that the information is current and 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. Operational Status of Plant

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

d. Company/Government Interface

This is intended to inform the public that OCNCS 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. Off-site Impact

A statement which simply assesses what impact this event may have on the environment. This is intended to provide factual information on off-site radiological conditions (e.g., a radioactive release is in progress, however, environmental monitoring teams have not detected any radiation levels off-site 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.

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.

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EXHIBIT 9  
(continued)

PRESS RELEASE APPROVAL GUIDANCE

- 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 news 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.

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**21**EXHIBIT 10PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATER

Prior to implementing a recovery program for handling large volumes of contaminated water, the conditions unique to the accident should be known and evaluated. Methods for dealing with large amounts of contaminated water and dependent on its volume, activity, and location, and require that technical evaluations be performed and special procedures be developed prior to implementation. Unless required by Emergency Operating Procedures or directed by the ED, it is OCNGS policy not to transfer radioactive material out of primary or secondary containment to any other storage location. For any such transfers (except as permitted by EOP's), a detailed safety evaluation must be performed and approved by the Emergency Director. This report, therefore, provides only general guidelines for the post accident handling of large volumes of contaminated water released as a result of pipe breaks that occur either in or out of primary containment.

## I. PIPE BREAK IN PRIMARY CONTAINMENT

A pipe break in primary containment will cause contaminated liquid to be discharged initially to the Drywell basement floor. Depending upon the severity of the break, and if the 1-8 sump capacity is exceeded, contaminated water could eventually flood the basement and spill into the Torus. The Torus can accommodate an additional 126,000 ft<sup>3</sup> of liquid before reaching its flooded volume capacity of 213,000 ft.<sub>3</sub>.

A. Drains and Sump Operation in Primary Containment

The Drywell Floor Drain Sump 1-8 is part of the Equipment and Floor Drainage System and normally collects water from spills received through the Drywell floor drains. The sump is located in the Drywell at elevation 6'0" and has an available capacity of 81.6 gallons. The sump discharge is isolated (full valve closure of containment isolation valves V-22-28, 28) on high Drywell pressure or low, low reactor water level. These valves can also be manually controlled from panel 11F in Control Room by making necessary electrical changes per OCNGS Procedure 312.1, "Drywell Isolation Signal Bypass" (Emergencies). The sump pumps are interlocked to shutdown on closure of the discharge isolation valves. This allows for the isolation of contaminated liquid within primary containment. In addition, the sump can be manually isolated by closing sump pump discharge valves V-22-184, 186.

To discharge the contents of the sump for processing, pumps 1-8A and 1-8B can be manually operated intermittently using their respective power supplies 1A21 and 1B21. This operation assumes that the containment isolation valves have reopened or are in the open position. Also, the sump isolation valves V-22-184, 186 should be considered for manually controlling the sump discharge flow.

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**21**EXHIBIT 10  
(continued)PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATERII. PIPE BREAK OUTSIDE PRIMARY CONTAINMENT

The most likely areas for contaminated water to collect following a pipe break in the Reactor Building or Turbine Building basement are Reactor Building sump 1-6 and 1-7 and Turbine Building sump 1-3. The amount of contaminated water expected to be released during a break outside primary containment will be relieved through the floor drain system located in each building to the respective sump.

A. Drains and Sump Operation Outside Primary ContainmentReactor Building

Contaminated water relieved through the floor drains in the Reactor Building will collect in sumps 1-6 and 1-7 (SE Corner). The sumps are located at Elevation -19'6" and have a combined capacity of approximately 1,500 gallons. The sumps are interconnected and provided with sump inlet isolation valves (V-24-35, 36, 37, 38) which automatically close on high, high sump level. Sump 1-7 discharge lines are equipped with isolation valves (V-22-167, 169) that are manually (local) controlled to allow for sump isolation, and can be used to control sump outlet flow for intermittent liquid processing. In addition to valve manipulations, the sump pumps can be tripped off manually from the 480 switchgear room (supplies 1A21, 1B21) to allow for local sump flooding and contaminated liquid isolation.

Turbine Building

The Condenser Bay Area of the Turbine Building basement is most likely to accumulate contaminated water resulting from a pipe break in the basement and steam tunnel. In the extreme case, a pipe line break (LOCA) in the Main Steam System outside primary containment would cause high pressure steam to be discharged from both sides of the break. However, the flow limiters in the main steam line would control the blowdown to 200% of rated flow. The line break would be sensed by either increased pressure drop across venturis due to high steam flow rate, or increased temperature in pipe tunnel, and main steam isolation valve closure would be activated within 0.5 seconds after break and full valve closure at 10.5 seconds. The limited amount of contaminated water deposited as the steam condense would be drained through the Equipment Floor Drain System. The basement floor is equipped with a segregated floor drain system for controlled drainage to the Turbine Building sumps. Sump 1-3 collects the contaminated water generated in a Condenser Bay Area and would collect the water generated from a major pipe break. The sump is located at Turbine Building (NW corner of Condensate Pump Pit) at elevation 0'0" and has a capacity of 1,500 gallons.

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(continued)

PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATER

The sump pump discharge valves (V-22-172, 174) are manually (local) isolated from the Turbine Building and the sump pump power supplies (1A12, 1B12) secured from Turbine Building Mezzanine North Control location. Manual isolation of sump 1-3, which is similar to the manual isolation of Reactor Building sump 1-7, will allow local flooding to occur. Intermittent pump operation or valve throttling will allow for controlled liquid processing at a desired capacity.

III. SAMPLING CONTAMINATED WATER

Samples of the contaminated water should be obtained to determine the liquid's radioisotopic content and conductivity. The sampling results will influence the subsequent processing path chosen.

Possible sample points that should be investigated for use are:

<u>TO SAMPLE</u>	<u>USE</u>	<u>LOCATION</u>
Torus	V-21-57	"C" Containment Spray Pump - Reactor Building
Drywell Sump (1-8)	Drywell Sample Valve	Reactor Building 23' Elev.
Reactor Building Sump (1-7)	DS HV-133	ORW Pipe Tunnel
Turbine Building Sump (1-6)	DS HV-134	ORW Pipe Tunnel

Since operation of the respective sump pumps will be required for sampling, pump run time should be minimized to limit the amount of contaminated water transported to Chem. Waste/Floor Drain System. An attempt should be made, therefore, to sample the contaminated water at a point nearest to the break location using a Geyser Pump and ALARA practices when transporting the liquid.

IV. PROCESSING SCHEMES

Prior to transferring highly contaminated water from its spill area, several issues need to be addressed in a technical evaluation. These include:

1. Does the flooded area need to be recovered radiologically to allow workers entry?
2. Does retaining the water pose a greater radiological concern than transferring to Radwaste?
3. Does Radwaste have available capacity?
4. Are there processing options such as a temporary demineralizer?

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(continued)

PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATER

These types of concerns should be addressed on an individual basis prior to implementing a processing plan.

A. NORMAL

Contaminated water generated within the plant during normal operation which collects in the Drywell, Turbine Building, or Reactor Building sumps is transferred to the Chem. Waste/Floor Drain System for processing. This system, in addition to the High Purity Liquid Waste System, comprises the new Radwaste Liquid Radwaste System. The Chem. Waste/Floor Drain System receives the sump water in a series of collector tanks; WC-T-1A, 1B, 1C. The total combined capacity of these tanks is 42,000 gallons. In the event that this primary collector capacity is unavailable for use, 10,000 gallons of secondary collector capacity is available by diverting flow to the ORW Floor Drain Collector Tank NV-49. Flow from the Turbine Building sumps to NV-49 can be accomplished by manually opening DS-HV-111 and closing DS-HV-106 from their location in the ORW pipe tunnel. Flow from Reactor Building Sump 1-7 to NV-49 can be accomplished by closing DS-HV-109 and opening DS-HV-114. Additional tanks available for receiving water are:

Waste Neutralizer Tanks NV-05A/B - 10,000 gallons each.  
High Purity Waste Collector Tank HP-T-1B - 30,000 gallons.

Water can be transferred from NV-49 to the Waste Neutralizer Tank using Section 11 of OCNGS Station Procedure 313.2.  
The Chem. Waste/Floor Drain System is capable of processing water at 60 GPM with both process trains in use.

B. According to Sample Results

Water with Excessively High Radioisotopic Activity

Contaminated water of excessively high radioisotopic activity which precludes safe handling and disposition will be retained at its location and processed in small enough portions such that exposures to operating personnel are not significantly impacted. The method for handling this water will depend on its location and rad levels. If necessary, steps should be taken to dilute the Contaminated water with low activity water to reduce the concentrations. Subsequent to authorization allowing the processing to occur, contaminated water located in the sumps can be directed to the Chem. Waste/Floor Drain

System tanks and diluted as required. Water located in the Torus can be drained through the Containment Spray Pumps 1-3 and 1-4 manual drain valves V-21-57, 58. Manual drainage in this manner will allow water to subsequently be processed in either the High Purity System or Chem. Waste/Floor Drain System depending on water quality. (Water sent to High Purity System should have conductivity less than 50 UMHOs/CM - refer to SP-1302-28-001 Water Quality, OCNGS or the permission of the Manager of Chemistry).

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EXHIBIT 10  
(continued)

PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATER

Outdoor Storage Limit Not Exceeded

If the radioisotopic concentration of the contaminated water in the Torus is such that the outdoor storage Technical Specification (3.6.C) of 10 curies (see note below) would be exceeded, and processing cannot be initiated, outdoor storage options should be investigated. The following tanks can be used to store water:

Condensate Storage Tank - 535,000 gallons

Torus Water Storage Tank - 763,000 gallons

A temporary connection from the blind 14" flange off the common discharge header of containment Spray Pumps 1-3 and 1-4 will allow water to be transferred from the Torus to the above tanks.

NOTE: The new Radiological Effluents Technical Specifications Spec. 3.6.C allows storage of up to 10.0 Ci in the Condensate storage Tank. OCNCS would have to apply to the NRC for authorization to include Torus Water Storage Tank in the outdoor storage plan.

C. Radiation Levels not a Limiting Constraint  
Processing through High Purity Waste System

Contaminated water of low mineral content is normally processed through the High Purity System. Torus water can be routed through Containment Spray Pumps 1-3, 1-4 drain valves V-21-57, 58 and allowed to collect in the R.B.E.D.T. The contents of the tank can then be pumped directly to the High Purity Waste Collector Tanks using existing connections. Contaminated sump water can be processed through the Chem. Waste/Floor Drain System bypassing the evaporators. Processing without the evaporators will allow rates approaching 60 GPM per train.

Processing through Chem. Waste/Floor Drain System

Contaminated water of high mineral content is normally processed through the Chem. Waste/Floor Drain System. Since sump water is normally processed through this system, temporary connections are not required. Contaminated Torus water can be processed through this system if the Reactor Building Equipment Drain Tank (R.B.E.D.T.) is allowed to overflow into Reactor Building sump 1-7(B). This can be accomplished by directing Torus water through Containment Spray Pumps 1-3, 4 drain valves (V-21-57, 58), so that drainage to the R.B.E.D.T. through the floor drain system will occur (see Appendix 1). The normal effluent path of R.B.E.D.T. can be manually isolated to allow for overflow by controlling pump isolation valves V-22-150, 152 from the Reactor Building or by manually controlling pump power (local controls - supply MCC 1B21).

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(continued)

PLAN FOR STORAGE AND TRANSFER OF CONTAMINATED WATER

V. STORAGE OF PROCESSED WATER

The Chem. Waste/Floor Drain System has the capability of providing 20,000 gallons of primary storage space. Two Chem. Waste Distillate Storage Tanks (WC-T-3A, 3B) normally provide space for water processed through the Chem. Waste System during normal operation. Two storage tanks, HP-T-2A, 2B, provide 60,000 gallons of High Purity Storage for water processed through the High Purity System. In addition, water processed in these two systems may be discharged to the condensate system directly if they are of condensate quality.

Secondary Storage Capacity is provided through use of the following vessels:

Condensate Storage Tank - 535,000 gallons  
Hotwells - 84,550 gallons  
Torus Water Storage Tank - 763,600 gallons

The secondary storage capacity will find use if the Torus contents have been processed and additional storage capacity is required.

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EXHIBIT 11

Relocation of the TSC

- 1.0 This Exhibit provides guidance for establishing TSC functions in alternate locations when directed by the ED.
- 2.0 TSC functions should be divided between the ECC and OSC as follows (ED may direct other arrangements as needed):
  - 2.1 The following should relocate to the ECC, take direction from the ED, and follow EPIP-26 or EPIP-35 as appropriate.

NOTE

The ECC has limited space and facilities so the number relocated here should be minimized.

2.1.1 ED

- ED briefings should be made on the Plant Page System or by telephone

2.1.2 ED Assistant

2.1.3 RAC/RASE

2.1.4 Core Engineer (if required in ECC)

2.1.5 Communications duties should be handled by the existing ECC communicators and the EOF for off site notifications once activated.

- 2.2 The following should relocate to the Drywell Command Center (Conference Room) of the OSC and take direction from the TSC Coordinator:

NOTE

The OSC has computer terminals and a set of plant procedures and drawings.

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EXHIBIT 11  
(continued)

Relocation of the TSC

2.2.1 TSC Coordinator

- Continue to take direction from the ED while coordinating with the OSC Coordinator to minimize interference.

2.2.2 TSC Engineers

2.2.3 TSC Communications Coordinator

2.2.4 TSC Communicators

2.2.5 TSC Tech Assistant

2.2.6 Core Engineer (if not required in the ECC)

NOTE

The OSC has limited space and may be controlling several Damage Control Teams. To minimize interference only the TSC Coordinator should interface with the OSC Coordinator initially.

2.3 The following guidance is provided for integrating the TSC engineering function into the OSC.

2.3.1 TSC Engineer should establish a work space in the Drywell Command Center and survey the available procedures and drawings. If additional references are needed, they may be obtained from the Maintenance building.

NOTE

Anyone leaving the OSC building must be tracked as a team.

2.3.2 The Plant Computer System terminal is located in the OSC in a very busy area. If it is needed, coordinate with OSC staff to minimize interference.

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(continued)

Relocation of the TSC

2.3.3 TSC Communicators may not be needed by the OSC. However, at least one should be used to support ED/TSC Coordinator Communications. This may be via a normal telephone to ECC. This should be coordinated with the ECC Communications Coordinator.

Communicators who are not required for OSC operations may be useful at the EOF, especially if NRC is sending a response team. This should be coordinated with the EOF Communications Coordinator.

2.3.4 The Tech Assistant may be useful to assist the OSC with operational related teams. He may replace or supplement the GOS assigned to the OSC.

2.3.5 Personnel who are not required may be sent to the Emergency Assembly Area or Remote Assembly Area as appropriate. If neither Assembly Areas are activated, they may be sent home with reporting instructions for the next day (e.g.; report to site, EOF, OSC, etc.).

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This exhibit provides 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 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 SOSC 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, and RASE 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.
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 and vise versa.
5. Emergency Assembly Area - The EAA may be redirected to the Forked River Assembly Area or to the Remote Assembly Area at Berkeley Line 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 13

EMERGENCY DIRECTOR AUTHORIZATION FORM FOR DEVIATIONS FROM REQUIREMENTS

TYPE 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 E13-3 & 4 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 inconsistent 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.

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EXHIBIT 13  
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EMERGENCY DIRECTOR AUTHORIZATION FORM FOR DEVIATIONS FROM REQUIREMENTS

DEVIATION JUSTIFICATION

TYPE I II (circle)	TYPE I II	TYPE I II
<u>Deviation From</u> Procedure _____ Tech Spec _____ Operating License _____ (includes EOP's) _____ License Condition _____ (See E13-3&4) _____ NRC Rules, Reg or _____ Orders _____ Other _____	<u>Deviation From</u> Procedure _____ Tech Spec _____ Operating License _____ (includes EOP's) _____ License Condition _____ (See E13-3&4) _____ NRC Rules, Reg or _____ Orders _____ Other _____	<u>Deviation From</u> Procedure _____ Tech Spec _____ Operating License _____ (includes EOP's) _____ License Condition _____ (See E13-3&4) _____ NRC Rules, Reg or _____ Orders _____ Other _____
<u>Deviation Justification</u> _____ _____ _____ _____	<u>Deviation Justification</u> _____ _____ _____ _____	<u>Deviation Justification</u> _____ _____ _____ _____
<u>Alternatives Considered</u> _____ _____ _____	<u>Alternatives Considered</u> _____ _____ _____	<u>Alternatives Considered</u> _____ _____ _____
SRO Concurrence _____ TSC Engr Concurrence _____ ED Approval _____ Date      Time	SRO Concurrence _____ TSC Engr Concurrence _____ ED Approval _____ Date      Time	SRO Concurrence _____ TSC Engr Concurrence _____ ED Approval _____ Date      Time
Notification of NRC by _____ Date      Time	Notification of NRC by _____ Date      Time	Notification of NRC by _____ Date      Time
NRC Person Notified _____	NRC Person Notified _____	NRC Person Notified _____

EXHIBIT 13 (continued)  
EMERGENCY DIRECTOR AUTHORIZATION FORM FOR DEVIATIONS FROM REQUIREMENTS

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 of 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 50.47(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: * Standard Classification System * Notification of Local, State and Federal Organizations * Methods, Systems & Equipment for assessing & monitoring actual or potential radiological consequences * Use of Protective Action Recommendations * Controlling radiological exposure * Activation/use of Emergency Response Facilities * Use of ERDS (Emergency Response Data System)	All of these sub-parts of the Emergency Plan are implemented via implementing procedures. Examples of 50.54(x) DEVIATIONS, while protecting public health and safety follow: Deciding intentionally to <u>NOT</u> - * Control exposures of all workers per EPA-400 limits * Activate the Emergency Response organization * Use/Activate Emergency Facilities  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.
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 NRC is being suspended without NRC concurrence to protect public health and safety.

EXHIBIT 13 (continued)

EMERGENCY DIRECTOR AUTHORIZATION FORM FOR DEVIATIONS FROM REQUIREMENTS  
LICENSED CONDITIONS (CONTINUED)

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 required 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 E13-1 and E13-2.

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EXHIBIT 13 (continued)

EMERGENCY DIRECTOR AUTHORIZATION FORM FOR DEVIATIONS FROM REQUIREMENTS

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 (i.e., 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 judgment 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 extend practicable with the Technical experts at the TSC in arriving at a decision to deviate from prescribed procedures. However, Emergency Operating Procedures should not 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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**21**EXHIBIT 14CORE ENGINEERS RESPONSIBILITIES

- 1.0 Report to the TSC Coordinator, unless needed in the ECC. If Core Engineer reports to ECC first, then the TSC coordinator should be informed.
- 2.0 As requested assist the TSC Coordinator in activation operation, and recovery of the TSC as applicable. Refer to Coordinators Checklist (Exhibit 3) for guidance.
- 3.0 Perform and document Core Damage Estimation Reports in accordance with EPIP-OC.33 and other engineering tasks as directed by the TSC Coordinator.
- 4.0 Assist with the PCS and SPDS Programs as requested.
- 5.0 Present all documentation generated during the performance of their duties to the TSC Coordinator.
- 6.0 As directed, assist TSC Coordinator in deactivation of TSC.
- 7.0 Should the TSC be or become unavailable (e.g., due to fire, security event, etc.) refer to EXHIBIT 11 which provides guidance for the establishment of the TSC functions in alternate locations.

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Providing reasonable site access to the media during a plant emergency is in the best interest of OCNGS 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 Dept. Responsibilities

Request 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 20, 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 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.

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SITE ACCESS POLICY FOR MEDIA DURING EMERGENCIES  
(continued)

- c. Communications in conjunction with Radiological Controls will supervise and escort the media while in posted radiologically controlled areas.

ED/ESD Responsibilities

1. The ED/ESD will consult with the RAC/Group Leader R&EC, and media may 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.

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EXHIBIT 16

Page of

EMERGENCY SHIFT SCHEDULE  
EXAMPLE

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			





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EXHIBIT 19  
**EXAMPLE**

Number _____					
<b>OCNGS Emergency Message</b>					
<b>To:</b>	OSC	TSC	EACC		
	ECC	EOF		Staff Position	Other
<b>Message:</b>					
<b>Originator:</b> _____					
	Staff Position		Initials	Time	Date
<b>Location:</b>	ECC	TSC	OSC	EACC	EOF
<b>Reply:</b>					
<b>Reply Completed by:</b> _____					
	Staff Position/Other		Initials	Time	Date

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Title  
**THE TECHNICAL SUPPORT CENTER**

Revision No.  
**21**

EXHIBIT 20  
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. \_\_\_\_\_