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Tel 609-971-4000

August 18, 1999  
1940-99-20463

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
Emergency Plan Implementing Procedure Revisions

In accordance with 10 CFR 50, Appendix E, Section V, enclosed is the below listed procedure.

<u>Procedure Number</u>	<u>Title</u>	<u>Revision</u>
1820-IMP-1720.01	Emergency Public Information Implementing Procedure	0

If further information is required, please contact Mr. George Busch, Manager Nuclear Safety and Licensing at 609-971-4643.

Very truly yours,

Michael B. Roche  
Vice President & Director  
Oyster Creek

MBR\GWB:gl

Enclosures

cc: Administrator, Region I  
NRC Project Manager  
NRC Resident Inspector

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OYSTER CREEK PUBLIC INFORMATION  
EMERGENCY PROCEDURE

Number  
1820-IMP-1720.01

Title Emergency Public Information Implementing Procedure	Revision No. 0
Applicability/Scope All Communications Division Emergency Activities at Oyster Creek	Responsible Office Communications 1820
This document is within QA plan scope Safety Reviews Required	<u>X</u> Yes ___ No <u>X</u> Yes ___ No
	Effective Date (06/21/99) 07/01/99

Prior Revision N/A incorporated the following Temporary Changes:

N/A

This Revision 0 incorporates the following Temporary Changes:

N/A

List of Pages (all pages rev'd to Rev. 0)

- 1.0 to 11.0
- E1-1
- E2-1
- E3-1
- E4-1 to E4-2
- E5-1
- E6-1
- E7-1 to E7-5
- E8-1 to E8-5
- E9-1
- E10-1 to E10-11

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

This procedure replaces 8000-IMP-1720.01

	Signature	Concurring Organization Element	Date
Originator		EMER. PREP. PLANNER	5/24/99
Concurred By		Manager, Communications	6/1/99
		Manager, Emergency Preparedness	6/1/99
Approved By		Director, Rad Safety & Health	5-25-99
		Director, Communications	6/10/99



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1.0 PURPOSE

The purpose of this implementing procedure is to describe the manner in which GPU Nuclear will furnish public information in the event of a formal emergency declaration at its Oyster Creek Nuclear Generating Station. A premium is placed on providing information promptly and accurately to the media, public officials, employees, members of the public, public agencies and GPU System senior officers through appropriate means.

2.0 APPLICABILITY/SCOPE

2.1 Upon declaration of an emergency condition, the GPUN Communications department at the site is responsible for the dissemination of information. These emergency conditions are: Unusual Event, Alert, Site Area Emergency, General Emergency.

3.0 DEFINITIONS

3.1 Emergency Classifications (4)

3.1.1 **Unusual Event** - the least serious level of emergency used in the U.S. commercial nuclear power industry. It means there is a potential reduction in the level of safety at the plant. It is not expected to cause a release of radioactivity or to have any effort on the safety or health of the general public.

3.1.2 **Alert** - the next to lowest level of emergency used in the U.S. commercial nuclear power industry. It means there is an actual or potentially substantial degradation in the level of plant safety. An alert usually does not involve releases of radioactivity from the plant or have an effect on the safety or health of the general public.





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3.1.3 **Site Area Emergency** - the next-to-highest level of emergency used in the U.S. commercial nuclear power industry. It means there is a substantial degradation of the level of safety of the plant, with possible damage to the plant's nuclear core or releases of radioactivity that are detectable at the site boundary. If releases of radioactivity were to occur, the effects on the general public would be minimal.

3.1.4 **General Emergency** - the highest level of emergency used in the U.S. commercial nuclear power industry. It means there is actual or imminent damage to the plant's reactor core with releases of radioactivity that are measurable at the site boundary.

3.1.4.1 **Protective Actions** - once a General Emergency has been declared, GPU Nuclear, Inc. consults with state officials who are responsible for making recommendations concerning public safety. GPU Nuclear makes recommendations to the state, but it is up to the governor to take those recommendations or take another course of action. GPU Nuclear does not release its recommendations to the public to avoid confusion should the governor order a different action.





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3.2 EMERGENCY COMMUNICATIONS ROLES

3.2.1 **PI TECH REP/EOF:** Serves as the technical advisor from the EOF. Will be responsible for gathering all approved and final information regarding the plant event. This person will interact with the PI Technical Rep in the JIC and provide that person with the most up to date information, as it becomes available. The PI Tech Rep in the EOF will be responsible for attending all ESD briefings at the EOF. This position will also be responsible for calling the JIC in advance of all briefings, so that JIC staff know that new information could be developing.

3.2.2 **PI TECH REP/JIC:** This position will be responsible for providing (serving as the focal point in the JIC) all technical information associated with the plant event. This single point of reference will assure that those writing the press releases and presiding over the briefings have a full and consistent understanding of the events happening at the plant; this person would be retrieving information from both written and verbal communications, all information that goes out to the public would be coordinated and correct. The PI Tech Rep at the JIC would be in constant contact with the PI Tech Rep at the EOF. This position will also help with the staffing needs of the JIC, by assuring that the communication lines in the JIC are constantly manned.

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3.2.3 **MEDIA CENTER LEAD:** This position will have command and control over the center's activities. The Media Center Lead will assure that all procedures are being followed by others in the center and would approve press releases prior to their review by the ESD.

The Media Center Lead will be the individual in the JIC with the responsibility to interface with and coordinate the activities of the State and Local Government communications personnel responding to the JIC. It is important that this position frequently meet with these individuals for the purpose of coordinating the information used in media briefings and when the briefings are to be held.

Another responsibility of the Media Center Lead is to serve as a moderator during press briefings. During these briefings, he or she would provide a brief synopsis of the emergency and its classification; give an overview of JIC logistics; introduce representatives on the panel; field questions and directs them to the proper representative. He or she may also answer non-technical questions from the media regarding the event.

3.2.4 **MEDIA CENTER ADVISOR/COMMUNICATIONS:** This position will serve as the technical spokesperson on the panel during press conferences. Following press conferences, this person will stay back in the auditorium for a short time to answer technical questions from the media briefings that talk about actions taken regarding the event.

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3.2.5 **PRESS RELEASE WRITER:** The Press Release Writer will receive information from the PI Tech Rep in the JIC, which will coincide with the information given to the Media Center Advisor and the Media Center Lead. The press release must be reviewed for grammar, writing style and communications elements by the lead person in the JIC prior to turnover for ESD approval and its release to the public.

3.2.6 **JIC ADMIN/COM:** This position will assure that the JIC auditorium is set up and that all work room equipment is operable. This person will also be responsible for fax distributing approved press releases.

#### 4.0 RESPONSIBILITIES

4.1 The Manager, Communications is responsible for implementing the procedure. The Manager will maintain trained staff for responding to emergencies on a 24-hour basis. The staff will gather information directly from plant and support personnel and disseminate the information to the public in a timely fashion.





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5.0 PROCEDURE

5.1 Communications is assigned primary responsibility for providing information promptly and accurately to the media, public officials, employees and members of the public through news releases, media briefings and public official notification. The public information response to a plant emergency is organized around three sequential stages. They are Notification, Assessment, and Response:

5.1.1 Notification

5.1.1.1 The site Communications group will maintain a Public Information Duty Representative on-call 24 hours a day, seven days a week, including holidays, per the Initial Response Duty Roster.

5.1.1.2 The Control Room will notify the Public Information Duty Representative of any declared emergency in accordance with the appropriate EPIP.

5.1.1.3 The Public Information Duty Representative will contact the Control Room and obtain a brief description of the initiating event that caused the emergency declaration, the operating status of the plant, and the nature of any radiological or environmental concerns, onsite or offsite.

5.1.2 Assessment

5.1.2.1 The Public Information Duty Representative will assess the severity of the emergency and initiate an appropriate response. Consideration will be given to consulting with other communications personnel.

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5.1.3 Response

5.1.3.1 Event is declared.

- All emergency response personnel respond to their assigned locations at the JIC and the EOF.

5.1.3.2 Responders arrive at JIC.

- PI Rep begins writing press release, based on information received from the PI Tech Rep at the JIC or EOF, or information received from the Control Room (i.e.: 126 notification and/or the initial notifications form), depending on whom is first available (see Exhibit 1).
- Media Center Lead assesses plant event and establishes a staffing plan and watchbill for 24-hour coverage. Retains essential emergency staff and sends others home for later shifts if necessary (see Exhibit 4).
- JIC Admin/Com assures auditorium setup, work room equipment operability, etc. (see Exhibit 6). This is confirmed by Media Center Lead.
- PI Tech Rep/JIC contacts PI Tech Rep/EOF to obtain plant status (see Exhibit 3).



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- 5.1.3.3 Upon arrival at EOF, PI Tech Rep obtains plant status and notifies PI Tech Rep at the JIC (see Exhibit 2). This information would be acquired from the leads in the EOF and/or through the engineering communications line to the ECC and TSC. Any conflicting or incomplete information should be resolved prior to communicating it to the JIC.
- 5.1.3.4 The PI Tech Rep/JIC briefs PI Rep, Media Center Lead and Media Center Advisor (see Exhibit 5) of plant status.
- 5.1.3.5 The PI Rep completes first press release, which is reviewed by Media Center Lead. If release is written from pre-approved "Boiler plate" material, no further approval is needed. If new information is part of the release, release must be approved by ESD following Media Center Lead review.

NOTE 1

Pre-approved "Boiler plate" press releases are for initial press release only.

NOTE 2

The State Police Rep. in the JIC gives the final approval for press releases once the Governor has declared a "State of Emergency".

NOTE 3

For security related events, press releases containing Safeguards information are to be reviewed by the Security Coordinator prior to release.





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- 5.1.3.6 Approved press release is fax distributed by JIC Admin/Com and copy is placed in the back of the JIC auditorium.
- 5.1.3.7 Concurrent with press release writing, Media Center Lead and Media Center Advisor review plant events with PI Tech Rep/JIC to prepare for media briefing.
- 5.1.3.8 Media Center Lead holds pre-brief meeting with Media Center Advisor and state, county and federal Public Information Representatives. The group shares information and plans what each organization will discuss during briefing.
- 5.1.3.9 Media Briefing is held, moderated by Media Center Lead. Media Center Lead introduces panel, provides brief overview of plant event and one-by-one, turns over to others on panel who will also provide brief information. Following panel encapsulations, Media Center Lead fields questions from the media and refers them to the proper panel representative.
- 5.1.3.10 At conclusion of media briefing, all leave the auditorium, except Media Center Advisor, who remains and takes questions from the media on plant-related questions only.
- 5.1.3.11 During briefing, PI Tech Rep/JIC continues to gather new information in coordination with PI Tech Rep/EOF.



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5.1.3.12 Process recycles at 5.1.3.4.

5.1.3.13 The JIC is designated for plant emergencies of little or no radiological significance, as well as for radiological emergencies. It will be outside the Emergency Planning Zone (EPZ).

5.1.3.14 In New Jersey, the State Police Office of Emergency Management is responsible for Rumor Control.

6.0 REFERENCES

6.1 10 CFR 50.47 (b) (7)

6.2 GPU Nuclear Corporate Emergency Plan 2000-PLN-1300.01

6.3 Emergency Preparedness Training Program 6200-PGD-2685

7.0 EXHIBITS

7.1 Exhibit 1, Public Information Representative (PI Rep) Checklist

7.2 Exhibit 2, Public Information Technical Representative/EOF  
(PI Tech Rep/EOF) Checklist

7.3 Exhibit 3, Public Information Technical Representative/JIC  
(PI Tech Rep/JIC) Checklist

7.4 Exhibit 4, Media Center Lead Checklist

7.5 Exhibit 5, Media Center Advisor/Communications Checklist

7.6 Exhibit 6, JIC Administrator/Communications Checklist

8.0 ATTACHMENTS

8.1 IMP-1720.01-1, Pre-approved Boiler Plate News Releases

8.2 IMP-1720.01-2, Boiler Plate News Releases Needing Ed/ESD Approval

8.3 IMP-1720.01-3, Press Release Flow Chart

8.4 IMP-1720.01-4, Emergency Preparedness Terminology/Definitions for Oyster Creek



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EXHIBIT 1

PUBLIC INFORMATION REPRESENTATIVE (PI REP)

Initials

1.0 \_\_\_\_\_ Establish communications with the PI Tech Rep/JIC (or the Control Room prior to EOF activation)

2.0 \_\_\_\_\_ Write press release with information gathered from the PI Tech Rep/JIC (or Control Room 126 Notification prior to EOF activation)

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

NOTE

Provide the ESD with press releases issued by the ED

3.0 \_\_\_\_\_ Give press releases to the Media Center Lead for review

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

4.0 \_\_\_\_\_ Assure press releases are delivered to the ESD for review and approval (Releases written from pre-approved "Boiler Plate" information do not need ESD approval)

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

NOTE 1

The State Police Rep. in the JIC gives the final approval for press releases once the Governor has declared a "State of Emergency".

NOTE 2

For security related events, press releases containing Safeguards information are to be reviewed by the Security Coordinator prior to release.

NOTE 3

Forward all completed checklists to the EOF Communications Coordinator.





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EXHIBIT 2

PUBLIC INFORMATION TECHNICAL REPRESENTATIVE/EOF  
(PI TECH REP/EOF)

Initials

- 1.0 \_\_\_\_\_ Establish communications with the PI Tech Rep/JIC
- 2.0 \_\_\_\_\_ Call JIC in advance of all ESD briefings  
1<sup>st</sup> \_\_\_\_\_ (initials)  
2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_ 4<sup>th</sup> \_\_\_\_\_ 5<sup>th</sup> \_\_\_\_\_ 6<sup>th</sup> \_\_\_\_\_ 7<sup>th</sup> \_\_\_\_\_ 8<sup>th</sup> \_\_\_\_\_ 9<sup>th</sup> \_\_\_\_\_ 10<sup>th</sup> \_\_\_\_\_
- 3.0 \_\_\_\_\_ Attend all ESD briefings  
1<sup>st</sup> \_\_\_\_\_ (initials)  
2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_ 4<sup>th</sup> \_\_\_\_\_ 5<sup>th</sup> \_\_\_\_\_ 6<sup>th</sup> \_\_\_\_\_ 7<sup>th</sup> \_\_\_\_\_ 8<sup>th</sup> \_\_\_\_\_ 9<sup>th</sup> \_\_\_\_\_ 10<sup>th</sup> \_\_\_\_\_
- 4.0 \_\_\_\_\_ Call PI Tech Rep/JIC and provide new information from ESD briefings  
1<sup>st</sup> \_\_\_\_\_ (initials)  
2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_ 4<sup>th</sup> \_\_\_\_\_ 5<sup>th</sup> \_\_\_\_\_ 6<sup>th</sup> \_\_\_\_\_ 7<sup>th</sup> \_\_\_\_\_ 8<sup>th</sup> \_\_\_\_\_ 9<sup>th</sup> \_\_\_\_\_ 10<sup>th</sup> \_\_\_\_\_

NOTE 1

Report Communications System problems to the EOF Communications Coordinator.

NOTE 2

Forward all completed checklists to the EOF Communications Coordinator.



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EXHIBIT 3

PUBLIC INFORMATION TECHNICAL REPRESENTATIVE/JIC  
(PI TECH REP/JIC)

Initials

- 1.0 \_\_\_\_\_ Establish communications with the PI Tech Rep/EOF
- 2.0 \_\_\_\_\_ Assure communications lines in JIC are manned constantly
- 3.0 \_\_\_\_\_ Provide information associated with the plant event to the Media Center  
1<sup>st</sup> Lead, the PI Rep and the Media Center Advisor (from discussions with  
the PI Tech Rep/EOF)

\_\_\_\_\_ (initials)  
 2<sup>nd</sup>    3<sup>rd</sup>    4<sup>th</sup>    5<sup>th</sup>    6<sup>th</sup>    7<sup>th</sup>    8<sup>th</sup>    9<sup>th</sup>    10<sup>th</sup>

NOTE 1

Assure information is coordinated and accurate as it will be used for both written and verbal communications to the public.

NOTE 2

Forward all completed checklists to the EOF Communications Coordinator.



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EXHIBIT 4

MEDIA CENTER LEAD

Initials

1.0 \_\_\_\_\_ Access plant event and establish staffing plan and watch-bill for 24-hour coverage (Retain essential emergency staff and send others home for later shifts if necessary)

NOTE

The Media Center Lead will attempt to notify the Director GPU/N Communications, Director GPU Inc. Communications or their designee.

2.0 \_\_\_\_\_ Confirm auditorium setup and work room equipment operability with JIC Admin/Communications

NOTE

Ensure that all Public Information personnel use the Name Tag Board.

3.0 \_\_\_\_\_ Receive briefings from the PI Tech Rep/JIC (w/PI Rep and Media Center Advisor)

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

4.0 \_\_\_\_\_ Review press releases from PI Rep

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

5.0 \_\_\_\_\_ Verify press releases are delivered to the ESD for review and approval (Releases written from pre-approved "Boiler Plate" information do not need ESD approval)

1<sup>st</sup>

(initials)

2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

NOTE 1

The State Police Rep. in the JIC gives the final approval for press releases once the Governor has declared a "State of Emergency".

NOTE 2

For security related events, press releases containing Safeguards information are to be reviewed by the Security coordinator prior to release.





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EXHIBIT 4  
(continued)

MEDIA CENTER LEAD

Initials

6.0 \_\_\_\_\_ Concurrent with press release writing, review plant events with the  
1<sup>st</sup> Media Center Advisor and the PI Tech Rep/JIC to prepare for media  
briefings

\_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

7.0 \_\_\_\_\_ Hold pre-brief meetings with the Media Center Advisor and state, county,  
1<sup>st</sup> and federal Public Information Reps. (Share information and plan what  
each organization will discuss during the media brief)

\_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

8.0 \_\_\_\_\_ Moderate media briefings

1<sup>st</sup> \_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

NOTE 1

Maintain command and control for JIC activities and assure  
procedures are being followed by others in the center.

NOTE 2

Forward all completed checklists to the EOF Communications  
Coordinator.



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EXHIBIT 5

MEDIA CENTER ADVISOR/COMMUNICATIONS

Initials

1.0 \_\_\_\_\_ Receive briefings from the PI Tech Rep/JIC about plant status (with  
1<sup>st</sup> Media Center Lead and PI Rep)  
\_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

2.0 \_\_\_\_\_ Concurrent with press release writing, review plant events with the  
1<sup>st</sup> Media Center Lead and PI Tech Rep/JIC to prepare for media briefings  
\_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

3.0 \_\_\_\_\_ Attend pre-brief meetings with the Media Center Lead and state, county,  
1<sup>st</sup> and federal Public Information Reps. (Share information and plan what  
each organization will discuss during the media brief)  
\_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

4.0 \_\_\_\_\_ Attend the media briefings as the technical spokesperson  
1<sup>st</sup> \_\_\_\_\_ (initials)  
2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 5<sup>th</sup> 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> 9<sup>th</sup> 10<sup>th</sup>

NOTE 1

Stay in auditorium after media briefings to answer plant-related questions only. Outside of formal media briefings, do not answer questions about actions taken regarding the event.

NOTE 2

Forward all completed checklists to the EOF Communications Coordinator.



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EXHIBIT 6

JIC ADMINISTRATOR/COMMUNICATIONS

Initials

- 1.0 \_\_\_\_\_ Assure auditorium is set up and work room equipment is operable
- 2.0 \_\_\_\_\_ Fax distribute approved press releases and place copies in the back of the JIC auditorium.

NOTE 1

Fax distribution list is located in the JIC Fax machine memory and is posted above the Fax machine.

To access list in memory: 1) Function 6            2) #2  
For Group list:            1) Function 6            2) #3

NOTE 2

Forward all completed checklists to the EOF Communications Coordinator.





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ATTACHMENT 1820-IMP-1720.01-1

PRE-APPROVED BOILER PLATE NEWS RELEASES

## INITIAL PRESS RELEASES



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PRE-APPROVED BOILER PLATE NEW RELEASES

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08731-0388  
Tel 609-871-4820

Date: February 27, 1999 - 2:01 PM  
Further information: Theima L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 01

**Unusual Event Declared at Oyster Creek**

Forked River, NJ – An unusual event was declared at the Oyster Creek Nuclear Generating Station at *(time of unusual event) (period of the day or night – ex.: today, this afternoon, this evening) when (cause of unusual event).*

No above normal release of radiation has occurred as a result of this incident.

An unusual event is the least serious level of emergency used in the U.S. commercial nuclear power industry. It means there is a potential reduction in the level of safety at the plant. It is not expected to cause a release of radioactivity or to have any effect on the safety or health of the general public.

Further information will be provided at the GPU Nuclear Joint Information Center (JIC), located at GPU Energy's Pinelands Regional Division Office, 55 River Road (Route 9), Lakewood, as it becomes available. All media calls should be directed to (732) 363-4087.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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**THIS IS A DRILL**



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PRE-APPROVED BOILER PLATE NEW RELEASES

.....**News Release**.....

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08731-0388  
Tel 609-871-4020

Date: February 27, 1999 - 2:01 PM  
Further information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 02

**An Alert Declared at Oyster Creek**

FORKED RIVER, NJ - An alert was declared at the Oyster Creek Nuclear Generating Station at *(time of the alert) (period of the day or night - ex.: today, this afternoon, this evening)* when *(cause of the alert)*

No above normal release of radiation has occurred as a result of this incident.

An alert is the next to lowest level of emergency used in the U.S. commercial nuclear power industry. It means there is an actual or potential substantial degradation in the level of plant safety. An alert usually does not involve releases of radioactivity from the plant or have any effect on the safety or health of the general public.

Further information will be provided at the GPU Nuclear Joint Information Center (JIC), located at GPU Energy's Pinelands Regional Division Office, 55 River Road (Route 9), Lakewood, as it becomes available. All media calls should be directed to (732) 363-4087.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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**THIS IS A DRILL**





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PRE-APPROVED BOILER PLATE NEW RELEASES

.....**News Release**.....

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08731-0388  
Tel 609-971-4020

Date: February 27, 1999 - 2:01 PM  
Further Information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 03

**Site Area Emergency Declared at Oyster Creek**

FORKED RIVER, NJ -- A site area emergency was declared at the Oyster Creek Nuclear Generating Station at *(time of the site area emergency) (period of the day or night - ex.: today, this afternoon, this evening)* when *(cause of the site area emergency)*

*Plant radiation release information - ex.: Plant radiation field monitoring teams have detected a slightly higher than normal level of radiation at the site boundary near Route 9. The radiation a person would receive at this particular location would be equivalent to spending a day at the beach. Also, add any other radiological information as necessary.*

A site area emergency is the next-to-highest level of emergency used in the U.S. commercial nuclear power industry. It means there is a substantial degradation of the level of safety of the plant, with possible damage to the plant's nuclear core or releases of radioactivity that are detectable at the site boundary. If releases of radioactivity occur, the effects on the general public would be minimal.

Further information will be provided at the GPU Nuclear Joint Information Center (JIC), located at GPU Energy's Pinelands Regional Division Office, 55 River Road (Route 9), Lakewood, as it becomes available. All media calls should be directed to (732) 363-4087.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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**THIS IS A DRILL**



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PRE-APPROVED BOILER PLATE NEW RELEASES

.....**News Release**.....

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08731-0388  
Tel 609-871-4820

Date: February 27, 1999 - 2:01 PM  
Further information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 04

**General Emergency Declared at Oyster Creek**

FORKED RIVER, NJ – A general emergency was declared at the Oyster Creek Nuclear Generating Station at *(time of the general emergency) (period of the day or night – ex.: today, this afternoon, this evening)* when *(cause of the general emergency)*.

No above normal release of radiation occurred as a result of this incident.

A general emergency is the highest level of emergency used in the U.S. commercial nuclear power industry. It means there is actual or imminent damage to the plant's reactor core with releases of radioactivity that are measurable at the site boundary.

Further information will be provided at the GPU Nuclear Joint Information Center (JIC), located at GPU Energy's Pinelands Regional Division Office, 55 River Road (Route 9), Lakewood, as it becomes available. All media calls should be directed to (732) 363-4087.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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OYSTER CREEK PUBLIC INFORMATION  
EMERGENCY PROCEDURE

Number  
1820-IMP-1720.01

Title  
Emergency Public Information Implementing Procedure

Revision No.  
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ATTACHMENT 1820-IMP-1720.01-2

BOILER PLATE NEWS RELEASES NEEDING ED/ESD APPROVAL

**MORE DETAILED PRESS RELEASES**





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Emergency Public Information Implementing Procedure

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ATTACHMENT 1820-IMP-1720.01-2  
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BOILER PLATE NEWS RELEASES NEEDING ED/ESD APPROVAL

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08731-0388  
Tel 609-871-4020

Date: February 27, 1999 - 2:01 PM  
Further information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 01

**Unusual Event Declared at Oyster Creek**

Forked River, NJ - An unusual event was declared at the Oyster Creek Nuclear Generating Station at *(time of unusual event) (period of the day or night - ex.: today, this afternoon, this evening)* when *(cause of unusual event)*.

The reactor was operating at *(reactor power level)* percent power on its *(number of consecutive days of operation)* day on line when the incident occurred. *(A more detailed explanation of the unusual event in one or two sentences)*. Plant personnel *(ex.: operators, fire brigade, etc.)* are investigating the cause of the event *(Or whatever corrective action is being taken to alleviate the situation and any outside agency requested to respond)*.

No injuries *(if applicable)* or above normal release of radiation has occurred as a result of this incident.

An unusual event is the least serious level of emergency used in the U.S. commercial nuclear power industry. It means there is a potential reduction in the level of safety at the plant. It is not expected to cause a release of radioactivity or to have any effect on the safety or health of the general public.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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BOILER PLATE NEWS RELEASES NEEDING ED/ESD APPROVAL

.....**News Release**.....

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08721-0388  
Tel 609-871-4020

Date: February 27, 1999 - 2:01 PM  
Further information: Theima L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 02

**An Alert Declared at Oyster Creek**

FORKED RIVER, NJ – An alert was declared at the Oyster Creek Nuclear Generating Station at *(time of the alert) (period of the day or night – ex.: today, this afternoon, this evening)* when *(cause of the alert)*.

The reactor was operating at *(reactor power level and/or plant status – ex.: in the process of shutting down; or xxx percent power for scheduled maintenance and testing of the plant's main steam isolation valves, which are designed to minimize loss of coolant from the reactor vessel and limit the release of radiation to the environment in the event of a steam line accident.)* when the incident occurred. *(A more detailed explanation of the alert in one or two sentences)*.

No injuries *(if applicable)* or above normal release of radiation has occurred as a result of this incident.

Plant personnel *(ex.: operators, fire brigade, etc.)* are investigating the cause of the event *(Or whatever corrective action is being taken to alleviate the situation and any outside agency requested to respond)*.

An alert is the next to lowest level of emergency used in the U.S. commercial nuclear power industry. It means there is an actual or potential substantial degradation in the level of plant safety. An alert usually does not involve releases of radioactivity from the plant or have any effect on the safety or health of the general public.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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BOILER PLATE NEWS RELEASES NEEDING ED/ESD APPROVAL

.....**News Release**.....

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 380  
Route 9  
Forked River, NJ 08721-6380  
Tel 806-871-4020

Date: February 27, 1999 - 2:01 PM  
Further Information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 03

**Site Area Emergency Declared at Oyster Creek**

FORKED RIVER, NJ - A site area emergency was declared at the Oyster Creek Nuclear Generating Station at *(time of the site area emergency) (period of the day or night - ex.: today, this afternoon, this evening)* when *(cause of the site area emergency)*.

The reactor was operating at *(reactor power level and/or plant status - ex.: in the process of shutting down; or xxx percent power for scheduled maintenance and testing of the plant's main steam isolation valves, which are designed to minimize loss of coolant from the reactor vessel and limit the release of radiation to the environment in the event of a steam line accident.)* when the incident occurred. *(A more detailed explanation of the site area emergency in one or two sentences)*.

Plant personnel *(ex.: operators, fire brigade, etc.)* are investigating the cause of the event *(Or whatever corrective action is being taken to alleviate the situation and any outside agency requested to respond)*.

*(Injury and radiation release information - ex.: A plant employee sustained a leg injury during the incident and has been transported to-- name of local hospital--by a GPU Nuclear ambulance or the Lacey Township First Aid Squad. The employee was not contaminated; No injuries have occurred as a result of this incident; Plant radiation field monitoring teams have detected a slightly higher than normal level of radiation at the site boundary near Route 9. The radiation dose a person would receive at this particular location would be equivalent to spending a day at the beach. Also, add any other radiation/evacuation information as necessary.)*

*Recap emergency classifications (cause and definitions) that were declared earlier in the day/night if applicable.*

A site area emergency is the next-to-highest level of emergency used in the U.S. commercial nuclear power industry. It means there is a substantial degradation of the level of safety of the plant, with possible damage to the plant's nuclear core or releases of radioactivity that are detectable at the site boundary. If releases of radioactivity occur, the effects on the general public would be minimal.

Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

**THIS IS A DRILL**





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ATTACHMENT 1820-IMP-1720.01-2  
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BOILER PLATE NEWS RELEASES NEEDING ED/ESD APPROVAL

**News Release**

GPU Nuclear, Inc.  
Oyster Creek Nuclear Generating  
Station  
Post Office Box 388  
Route 9  
Forked River, NJ 08031-0388  
Tel 609-871-4020

Date: February 27, 1999 - 2:01 PM  
Further information: Thelma L. Wiggins  
(609) 971-4048  
For Release: Immediately  
Release Number: 04

**General Emergency Declared at Oyster Creek**

FORKED RIVER, NJ - A general emergency was declared at the Oyster Creek Nuclear Generating Station at *(time of the general emergency) (period of the day or night - ex.: today, this afternoon, this evening)* when *(cause of the general emergency)*.

The reactor was operating at *(reactor power level and/or plant status - ex.: in the process of shutting down; or xxx percent power for scheduled maintenance and testing of the plant's main steam isolation valves, which are designed to minimize loss of coolant from the reactor vessel and limit the release of radiation to the environment in the event of a steam line accident.)* when the incident occurred. *(A more detailed explanation of the general emergency in one or two sentences)*.

Plant personnel *(ex.: operators, fire brigade, etc.)* are investigating the cause of the event: *(Or whatever corrective action is being taken to alleviate the situation and any outside agency requested to respond)*.

*(Injury and radiation release information - ex.: A plant employee sustained a leg injury during the incident and has been transported to- name of local hospital-by a GPU Nuclear ambulance or the Lacey Township First Aid Squad. The employee was not contaminated; No injuries have occurred as a result of this incident; Plant radiation field monitoring teams have detected a slightly higher than normal level of radiation at the site boundary near Route 9. The radiation dose a person would receive at this particular location would be equivalent to spending a day at the beach. Also, add any other radiation/evacuation information as necessary.)*

*Recap emergency classifications (cause and definitions) that were declared earlier in the day/night if applicable.*

A general emergency is the highest level of emergency used in the U.S. commercial nuclear power industry. It means there is actual or imminent damage to the plant's reactor core with releases of radioactivity that are measurable at the site boundary.

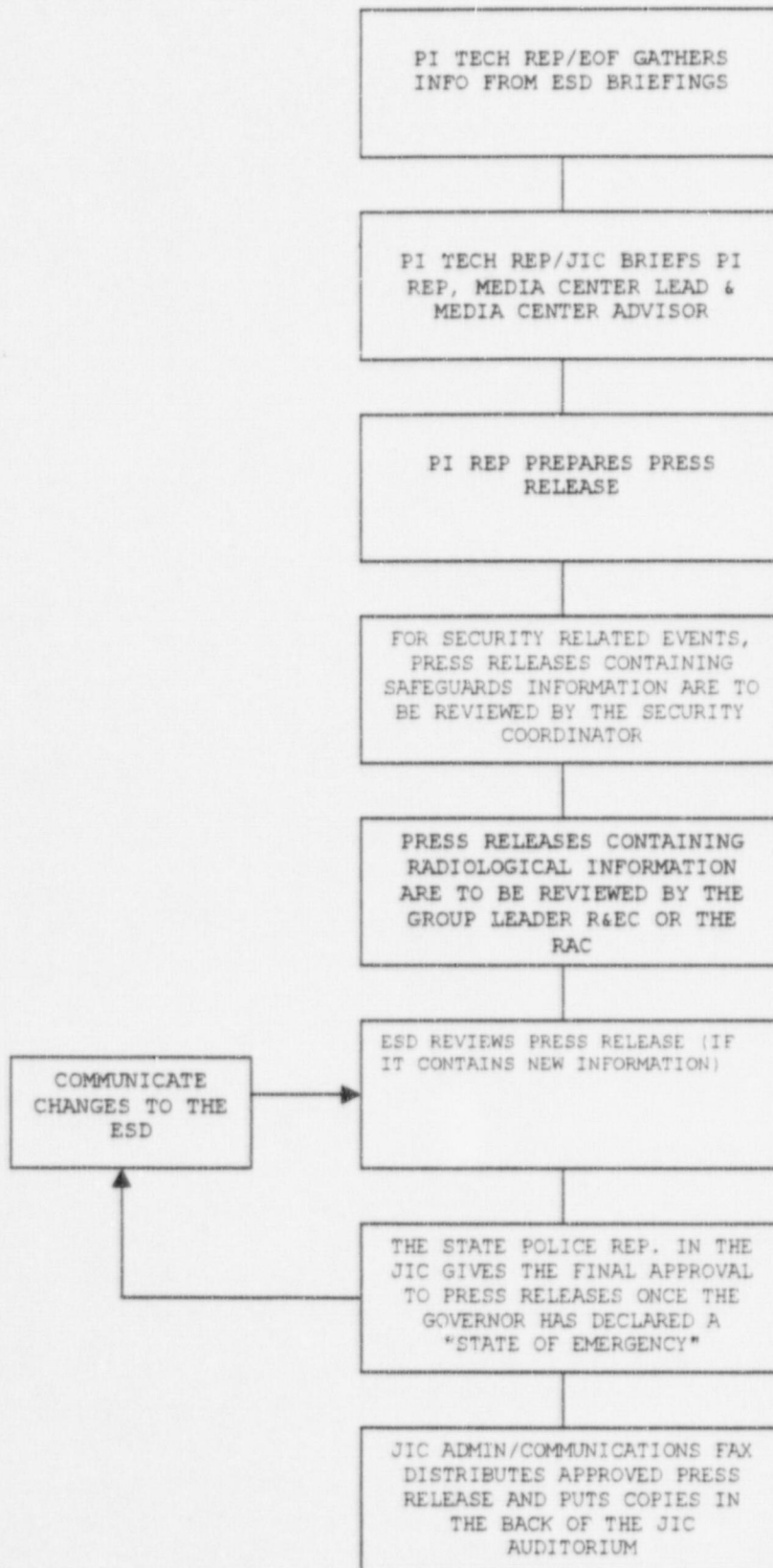
Federal, state and local officials have been notified.

Oyster Creek is owned by Jersey Central Power & Light Co., doing business as GPU Energy, and operated by GPU Nuclear, Inc.

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PRESS RELEASE FLOW CHART





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ATTACHMENT 1820-IMP-1720.01-4

EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

***Emergency Classifications (4):***

**Unusual Event** - the least serious level of emergency used in the U.S. commercial nuclear power industry. It means there is a potential reduction in the level of safety at the plant. It is not expected to cause a release of radioactivity or to have any effect on the safety or health of the general public.

**Alert** - the next to lowest level of emergency used in the U.S. commercial nuclear power industry. It means there is an actual or potentially substantial degradation in the level of plant safety. An alert usually does not involve releases of radioactivity from the plant or have an effect on the safety or health of the general public.

**Site Area Emergency** - the next-to-highest level of emergency used in the U.S. commercial nuclear power industry. It means there is a substantial degradation of the level of safety of the plant, with possible damage to the plant's nuclear core or releases of radioactivity that are detectable at the site boundary. If releases of radioactivity were to occur, the effects on the general public would be minimal.

**General Emergency** - the highest level of emergency used in the U.S. commercial nuclear power industry. It means there is actual or imminent damage to the plant's reactor core with releases of radioactivity that are measurable at the site boundary.

**Protective Actions** - once a General Emergency has been declared, GPU Nuclear, Inc. consults with state officials who are responsible for making recommendations concerning public safety. GPU Nuclear makes recommendations to the state, but it is up to the governor to take those recommendations or take another course of action. GPU Nuclear does not release its recommendations to the public to avoid confusion should the governor order a different action.

***Rumor Control/Public Information Numbers:***

***For General Public Only***

During declared emergencies at Oyster Creek, member of the general public should be directed to call the toll-free "rumor control" number established by the State of New Jersey: **1(800) 792-8314**

***For Public Officials/News Media/Regulatory and Industry Representatives***

Public officials, members of federal and state regulatory agencies, industry representatives and members of the news media should be instructed to call or be transferred to the following internal number: **1(609) 971-4020**





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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Radiological Terms:**

**Contamination** - any radioactive material in an undesired location

**Dose** - the amount of radiation a person receives from exposure to radiation. The average dose a person receives from a chest x-ray is about 10 millirems.

**Radiation** - energy released in the form of particles or waves (alpha, beta or neutron particles, gamma rays or waves). It occurs naturally all around us as well as in our bodies. Radioactive material is any substance that emits radiation. The release of radioactivity from the plant is tracked and reported annually.

**Radiological Controlled Area (RCA)** - areas of the plant that have been designated for radiological control due to the presence of radiation or contamination.

**rem** - an acronym for Roentgen Equivalent Man, which is the measurement of the potential impact of radiation dose on human cells. A chest x-ray is about 10 millirem, and one-thousand millirem equals one rem.

**Reuters-Stokes Monitor** - a real-time radiation monitor which displays background radiation. One can walk up to a monitor and see exactly what the background radiation is at that moment. At various locations around Oyster Creek, there are 19 Reuters-Stokes Monitors which feed radiological information to environmental scientists at the plant and to the NJ department of Environmental Protection in Trenton.

**Spent Fuel** - used nuclear fuel, which is high level radioactive waste.

**Thermoluminescent Dosimeter (TLD)** - a radiation measuring device that must be read in the laboratory. It is used to measure and record doses to people and areas of the plant or environment. TLDs are collected and read every quarter.

**Tritium** - a radioactive isotope that occurs naturally in the environment wherever there is water. Radiation from tritium is so weak that most radiation monitors do not detect it. However, tritium levels are measured through laboratory analyses. Tritium is routinely measured by Oyster Creek personnel. It and all radioactivity releases from the plant are required to be tracked and reported annually.



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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**General Terms:**

**Auxiliary Emergency Transfer** - part of Oyster Creek's Station Blackout system, which provides an alternate source of emergency electrical power to plant safety systems.

**Condenser/Condenser Vacuum** - cools the steam from the turbine back into water, which is cycled back to the reactor. The vacuum maintains the ability to condense the steam back into water.

**Control Rod Blades** - x-shaped blades made of neutron absorbing material (Boron) that control the fission process in of the reactor.  
**Control Room Annunciators** - alarm lights in the control room which alert operators of changing plant conditions.

**Drill** - an exercise consisting of a series of simulated events and emergency conditions that would require implementation of the plant's emergency plan.

**Drywell/Primary Containment** - an engineered safety system, which contains the reactor and acts as one of the barriers to radioactive release. It is made of a carbon steel shell encased in high-density reinforced concrete.

**Electromatic Relief Valve (EMRV)** - Oyster Creek has five EMRVs that serve a dual purpose. They act as pressure relief valves to discharge steam to the torus when a high pressure condition is sensed in the main steam lines. They also serve to relieve reactor pressure as part of the automatic depressurization system (ADS).

**Emergency Planning Zone (EPZ)** - the area within a 10-mile radius of the plant, which includes 17 municipalities.

**Fuel Rods/Assemblies** - an eight by eight configuration that contains 62 fuel rods and 2 water rods that provide fuel for the reactor.

**Hydrogen Storage Tank** - located outside the plant's protected area a few hundred yards southeast of the reactor building. Hydrogen is used to cool the main generator and to improve water chemistry in the reactor coolant.

**Intake/Discharge Canals** - the man-made water passageway that forms a horse-shoe shape around Oyster Creek to provide cooling for plant systems.

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(continued)EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Joint Information Center** - the facility where GPU Nuclear, along with federal, state, county and local government officials, assemble to provide information to the public through news media about an emergency at Oyster Creek. The JIC is located at the GPU Energy Office Building, 55 River Ave. (Route 9), at the intersection of Hurley Ave., about 20 miles north of Oyster Creek. Aside from company and government representatives, only members of the news media with appropriate credentials will be admitted to the center. All others can call the rumor control number operated by the state for official information on the emergency.

**Loss of Coolant Accident (LOCA)** - an accident scenario involving the loss of water from the primary system, which requires Oyster Creek to shut down the reactor.

**Main Steam Isolation Valve (MSIV)** - containment isolation valves designed to minimize coolant loss from the vessel and to limit off site does in the event of a main steam line accident. Testing (closure test) is done on the MSIVs once every three months at 40 percent power.

**Owner Controlled Area (OCA)** - any areas outside the Protected Area under the control of the utility owner, GPU, Inc.

**Protected Area (PA)** - the area of the plant encompassed by physical barriers into which access is controlled.

**Reactor Building/Secondary Containment** - the building that houses the plant's reactor and provides an additional barrier to the release of radioactive materials during periods when primary containment has been established. The reactor building, which is made of reinforced concrete and steel frame, serves as the primary containment when the drywell is open for refueling and maintenance. It completely encloses the drywell and reactor auxiliary systems. The barriers are the reactor building, the standby gas treatment system and the reactor building ventilation supply and exhaust dampers.

**Reactor Core** - nuclear fuel assemblies that are the source of heat for sustaining the fission process in a reactor to produce electricity.

**Reactor Vessel** - the structure that houses the nuclear fuel.

**SCRAM** - a rapid insertion of control rods shutting down the reactor, which can be initiated manually or automatically.

**Site Accountability** - a process that is normally initiated during a Site Area Emergency, but can be performed at any time, to account for plant employees.

**Spent Fuel Pool** - a 38-foot deep pool of circulating water which provides temporary, safe storage of irradiated core components, including depleted or spent fuel assemblies.





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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Station Blackout Transformer** - provides back-up power to the plant should all sources of off site power be lost.

**Torus** - a large donut-shaped suppression chamber at the base of the drywell or primary containment, which houses the reactor vessel. The torus is about half-filled with water and used for containment pressure control and cooling.

**Vital Area (VA)** - areas that contain equipment, systems, devices, etc., the failure, destruction or release of which could directly or indirectly endanger public health and safety by exposure to radiation.

**Plant Building/Facilities:**

**Access Center** - located in Building 14 on the Forked River site. The center provides General Employee Training, medical examinations, respirator, whole body counts and plant access badging for all employees and contractors coming to Oyster Creek.

**Chemistry Labs** - located within the Turbine Building. This facility provides all the analyses of plant system fluids and gases to ensure safe and efficient operation of the plant.

**Control Room (CR)** - located on the third floor of the Turbine Building. The facility contains all the controls and instrumentation used to operate and monitor the reactor, turbine, generator, Electrical Distribution system, and Cooling Systems.

**Dosimetry** - located in Building 14. This facility maintains the TLD system and provides periodic reports of all employee's radiation exposures.

**GPU Nuclear Education Center** - located on the Forked River site in Buildings 1, 2, 12 and 14. This center provides training to all employees at Oyster Creek to maintain qualifications that are necessary to operate a federally regulated nuclear facility.

**Hydrogen Storage Tank** - located near the Oyster Creek Administration building parking lot just southeast of the Main Gate. This tank stores hydrogen that is used in various plant systems.

**Main Gate (MG) Access Center** - located west of the main entrance from Route 9. The purpose of this facility is to maintain security of the site as well as provide a monitored access point for plant entry.

**Main Office Building (MOB)** - located west of the Main Gate Access Center. This facility contains administrative offices for the various departments at Oyster Creek such as Operations, Chemistry, etc.



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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Materials Warehouse** - located at the northeast corner of the Protected Area. This facility stores equipment and supplies needed to maintain the plant. It also serves as a Secondary Emergency Assembly Area for all employees in the event of an emergency at the site.

**New Machine Shop** - located south of the Turbine Building and east of the Emergency Generator Building. This facility is used for fabricating equipment to help the plant maintain operational status.

**New Maintenance Building (NMB)** - located on the north side of the Protected Area and provides office and work space for electrical and mechanical maintenance personnel.

**North Gate (NG) Access Center** - located on the north side of the Protected Area next to the large North parking lot. This facility is used as a backup access point into the plant during outage periods.

**Old Machine Shop** - located on the south end of the Turbine Building. This facility houses all the Station Services, Fire Protection and Instrument and Controls personnel offices and locker rooms.

**Oyster Creek Administration Building (OCAB)** - located just southeast of the Main Gate. This facility houses the plant cafeteria and provides office space for plant personnel.

**Reactor Building (RxP)** - located just northwest of the Main Gate. This facility serves as secondary containment for the reactor and all of its support systems and equipment.

**Site Emergency Building (SEB)** - located with the Protected Area south of the Main Gate. This facility provides administrative office space for plant departmental personnel as well as the resident NRC inspectors, and the plant's main computer systems. The Technical Support Center for Oyster Creek is also located on the first floor of this facility.

**Tool Room** - located adjacent to the maintenance shops just inside the North Gate. This facility stores and issues tools used by the Maintenance Dept.

**Turbine Building (TB)** - located west of the Reactor Building. This facility houses the turbine generator and all its support systems.



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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Plant Systems:**

**Automatic Depressurization System (ADS)** - a safety system designed to automatically reduce pressure in the reactor vessel under certain accident conditions, to allow the core spray system to be effective in adding coolant to the core under those conditions (small break LOCAs). ADS, which consists of five electromatic relief valves that discharge to the torus, is one of three subsystems of the Emergency Core Cooling System.

**Augmented Off-Gas (AOG) System** - reduces the amount of radioactive gas released to the environment by serving as a holding station to allow the radioactive materials to decay, and also filtering out radioactive particles.

**Combustion Turbines (CTs)** - gas-fired turbine generators which supply backup power for Oyster Creek.

**Condensate/Feedwater System** - returns condensed steam to the reactor and maintains reactor vessel water level.

**Condensate Transfer System** - supplies water for the condensate demineralizer resin replacement, providing cooling for various pumps, and flushing and makeup water to various plant systems.

**Control Rod Drive (CRD) Hydraulic System** - supplies and controls the pressure and flow requirements of the control rod drives. It also can be used to add makeup water to the reactor.

**Containment Spray/Emergency Service Water (CS/ESW) System** - safety systems designed to reduce primary containment temperature and pressure following a design basis loss-of-coolant-accident. These systems also limit the offsite doses by reducing the driving force of containment leakage.

**Core Spray System (CSS)** - one of three subsystems of the Emergency Core Cooling System. It is a low pressure, engineered safety system which supplies cooling water to the reactor after large or intermediate pipe breaks to prevent fuel damage.

**Demineralized Water System** - supplies pure water for initial fill and makeup to various water systems.

**Emergency Core Cooling System (ECCS)** - a required emergency safety system used to provide effective core cooling to prevent damage to nuclear fuel cladding and to limit damage to equipment/components during a loss-of-coolant-accident (LOCA). ECCS consists of three separate subsystems: the isolation condenser system, the core spray system (CSS) and ADS.





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EMERGENCY PREPAREDNESS TERMINOLOGY/DEFINITIONS FOR OYSTER CREEK

**Emergency Diesel Generator (EDG)** - two diesel generators which provide electrical power to ensure safe shut down of Oyster Creek at the loss of off-site power. The EDG Building is located on the southwest side of the Protected Area.

**Isolation Condenser System** - one of three subsystems of ECCS and serves as large heat exchangers, which are used to reduce pressure and remove heat in the plant's reactor in the event that the turbine generator and main condenser are unavailable to remove heat. It is a standby, high-pressure system that can be activated manually or automatically to prevent overheating of the reactor fuel, to control reactor pressure, and to limit the loss of reactor coolant through the relief valves.

**Radwaste System** - supports plant operation by providing for backwash and precoat of the fuel pool filter, replacing demineralizer resin and disposing of spent resin and filter media, and purification of contaminated waste water for recycling back to the reactor.

**Reactor Building Closed Cooling Water (RBCCW) System** - supplies cooling water to selected reactor building, drywell and old radwaste facility auxiliary equipment subject to radioactive contamination during all modes of plant operation.

**Reactor Protection System (RPS)** - a safety system which provides automatic reactor protection by rapidly inserting all control rods or automatically shutting down the plant if certain limits are exceeded during any mode of plant operation. No single failure can prevent the RPS from performing its protective function, which is to protect the core against fuel cladding damage and the reactor vessel from overpressure, and minimizing the release of radioactive materials. This system can also be tested on-line without initiating a reactor shutdown.

**Reactor Water Cleanup System (RWCU)** - supplies cooling water to selected reactor building, drywell and old radwaste facility auxiliary equipment subject to radioactive contamination during all modes of plant operation.

**Reactor Protection System (RPS)** - a safety system which provides automatic reactor protection by rapidly inserting all control rods or automatically shutting down the plant if certain limits are exceeded during any mode of plant operation. No single failure can prevent the RPS from performing its protective function, which is to protect the core against fuel cladding damage and the reactor vessel from overpressure, and minimizing the release of radioactive materials. This system can also be tested on-line without initiating a reactor shutdown.

**Reactor Water Cleanup System (RWCU) System** - a closed-loop system which constantly removes impurities from reactor coolant by recirculating it through filters and a demineralizer for continuous cleanup.

**Shutdown Cooling System** - cools the reactor after shutdown to permit vessel head removal for refueling and also removes decay heat while the reactor is in cold shutdown.

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**Standby Liquid Control System** - a backup safety system containing a boron solution designed to stop the fission process in the reactor.

**Turbine Building Closed Cooling Water (TBCCW) System** - a closed-loop system which supplies cooling water to selected turbine and office building components not subject to radioactive contamination, and to reactor recirculation pump motor-generator sets. It also supplies a backup source of cooling water to the augmented fuel pool cooling heat exchanger, which is potentially contaminated.

**Agencies:**

**NRC** - the U.S. Nuclear Regulatory Commission

**FEMA** - the Federal Emergency Management Agency

**BPU** - the New Jersey (or any state) Board of Public Utilities

**RERP** - the Radiological Emergency Response and Safety Unit of the New Jersey State Police

**SP/OEM** - the New Jersey State Police and Office of Emergency Management

**DEP** - the New Jersey (or any state) Department of Environmental Protection

**BNE** - the New Jersey (or any state) Bureau of Nuclear Engineering

**ERPAS** - Emergency Response Planning Areas designated by the State of New Jersey

**Area 1 --** consists of a portion of Lacey Township. It is bounded on the north by Deer Head Lake, Lake Barnegat, Lower Lake and the Forked River. Barnegat Bay is the eastern boundary and lower Oyster Creek is the southern boundary. The Garden State Parkway forms the western boundary.

**Area 2 --** consists of a portion of Ocean Township. It is bounded on the north by the Oyster Creek. The boundary to the east is Barnegat Bay. The southern boundary is Barnegat Beach Drive, Route 9, Route 532 (Waretown Brookville Road). The Garden State Parkway is the western border.

**Area 3 --** consists of a portion of Ocean Township and a portion of Barnegat Township. Its northern boundary is Route 532 (Waretown Brookville Road) to Route 9, Route 9 southward to Barnegat Beach Drive and Barnegat Beach Drive eastward to the Bay. Barnegat Bay forms its eastern boundary. Route 554 (Bay Avenue) forms the boundary to the south. The Garden State Parkway is the western boundary.

**Area 4 --** consists of a portion of Ocean Township and a small portion of Barnegat Township. It is bounded on the north by the Lacey/Ocean Township line and a small portion of Route 532 (Wells Mills Road). The Garden State Parkway forms the eastern boundary. Route 554 (Straight Road) is the southern boundary. The western boundary is a small portion of Brookville Road and the Ocean/Barnegat Township line.



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- Area 5 --** consists of a portion of Lacey Township. The northern boundary is Route 614 (Lacey Road). The Garden State Parkway is the eastern boundary. The southern border is a small portion of Route 532 (Wells Mills Road) and the Lacey/Ocean Township line. The Factory Branch River forms the western boundary.
- Area 6 --** consists of a portion of Lacey Township. The Cedar Creek is its northern border, with Barnegat Bay its eastern boundary. The Forked River, Lower Lake, Lake Barnegat and Deer Head Lake make up the southern boundary. The western border is the Garden State Parkway.
- Area 10 --** consists of a portion of Berkeley Township, the boroughs of Ocean Gate and Pine Beach, and portions of Beachwood and South Toms River. The Toms River is the northern boundary. Barnegat Bay is the eastern border. The Cedar Creek is its southern boundary and the Garden State Parkway is the western border.
- Area 16 --** consists of a portion of the Seaside Peninsula south of Seaside Park Borough.
- Area 18 --** consists of a portion of Barnegat Bay south of an imaginary line drawn from the Oyster Creek Nuclear Generating Station stack to the Barnegat Lighthouse. It consists of all the water and uninhabited islands of the Bay between this line and the Long Beach Island Causeway (Manahawkin Bay Bridge).
- Area 19 --** consists of that portion of Barnegat Bay north of an imaginary line drawn from the Oyster Creek Nuclear Generating Station stack to the Barnegat Lighthouse. It contains all the water and uninhabited islands of the Bay between this line and the Seaside Causeway - Route 37 (the Tunney and Mathis Bridge).
- Area 20 --** consists of that portion of the Atlantic Ocean adjacent to Island Beach State Park and the part of Long Beach Island north of Surf City and off shore for a distance of three miles.





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- REC -- Reception Centers for public evacuations ordered by the State of New Jersey
- 1 Pinelands Regional High School  
Nugentown Rd., Tuckerton, NJ
  - 2 Brick Township High School  
346 Chambers Bridge Road, Brick Twp., NJ
  - 3 Ocean County Community College  
Hooper Avenue, Toms River, NJ
  - 4 Whiting Fire Dept.  
Rt. 530 & Cherry St., Whiting, NJ
  - 5 Lakewood Middle School  
East 7<sup>th</sup> St. & Somerset Ave., Lakewood, NJ
  - 6 Manchester High School  
Lakehurst Rd. & Rt. 37, Lakehurst, NJ