

Davis Besse Power Station  
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Control Copy Number: 1665

Transmittal Number: 0206-07638

Transmittal Date: 06-07-2002

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		<u>Document</u>						
	TOC 1	TOC 2	Type	Number	Sht/Sec	Changes	Rev	Status
old	EPOC	EPON	PROC	HS-EP-02830			0001	APPROVED
new	EPOC	EPON	PROC	HS-EP-02830			0001	SUPERSEDED
old	EPOC	EPON	PROC	RA-EP-02830				
new	EPOC	EPON	PROC	RA-EP-02830			0000	APPROVED

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### EPON

Number	Title
RA-EP-02000	MEDICAL EMERGENCIES
RA-EP-02800	PREPARATION AND TRANSPORT OF CONTAMINATED INJURED PERSONNEL
RA-EP-02805	DAVIS BESSE EMERGENCY TELEPHONE SYSTEM
RA-EP-02807	EMERGENCY HELICOPTER LANDING ZONES
RA-EP-02810	TORNADO
RA-EP-02820	EARTHQUAKE
RA-EP-02830	FLOODING
RA-EP-02840	EXPLOSION
RA-EP-02850	HAZARDOUS CHEMICAL AND OIL SPILLS
RA-EP-02861	RADIOLOGICAL INCIDENTS
RA-EP-02864	CONTAINMENT EVACUATION
RA-EP-02870	STATION ISOLATION
RA-EP-02880	INTERNAL FLOODING

Davis-Besse Nuclear Power Station

EMERGENCY PLAN OFF NORMAL OCCURRENCE PROCEDURE

RA-EP-02830

(Supersedes HS-EP-02830 R1)

FLOODING

REVISION 00

Prepared by: Dennis J. Gordon

Procedure Owner: Manager - Security

Effective Date:         JUN 7 2002        

Procedure Classification:

Safety Related

Quality Related

Non-Quality Related

**LEVEL OF USE:  
IN-FIELD REFERENCE**

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## 1.0 PURPOSE

This procedure describes the action levels and procedures which shall be followed if flooding is imminent or has occurred at or near the Davis-Besse Nuclear Power Station (DBNPS).

## 2.0 REFERENCES

### 2.1 Developmental

2.1.1 DBNPS USAR Section 2, Site Characteristics

2.1.2 Davis-Besse Nuclear Power Station Emergency Plan

### 2.2 Implementation

2.2.1 RA-EP-1500, Emergency Classification

2.2.2 RA-EP-02870, Station Isolation

## 3.0 DEFINITIONS

3.1 FLOOD WATCH - Lake water elevations between 574' and 576'.

3.2 FLOOD WARNING - Lake water elevations between 576' and 578'.

3.3 FLOOD EMERGENCY - Lake water elevations greater than 578'.

## 4.0 RESPONSIBILITIES

4.1 The On-call Emergency Offsite Manager shall:

4.1.1 Ensure the availability of transportation to provide limited access to the station during flood emergency conditions.

4.1.2 Maintain and, as conditions warrant, update the Davis-Besse Employee Information Hotline to provide information regarding viable access routes to the Davis-Besse Site.

4.2 The Shift Manager shall notify the station of flood watches, warnings, and emergencies and activate RA-EP-02870, Station Isolation, as required.

## 5.0 INITIATING CONDITIONS

This procedure shall be used when lake levels have exceeded 574' and weather conditions are favorable for flooding.

## 6.0 PROCEDURE

6.1 Flood Watch - Lake level between elevation 574' and 576', causing local flooding of the marshes and low areas around the station and water covering low portions of access roads.

6.1.1 The Shift Manager shall:

- a. Make an announcement over the Gai-tronics System that a Flood Watch is in effect.
- b. Notify the On-call Emergency Offsite Manager of the Flood Watch.

6.1.2 The On-call Emergency Offsite Manager shall:

- a. Consult with the Ottawa County Sheriff and the Ottawa County Emergency Management Agency Director to assess road conditions.
- b. Record an appropriate message for the Davis-Besse Employee Information Hotline.
- c. Monitor the lake level.
- d. Modify the recorded message as needed to insure the information on the Employee Information Hotline is current.

6.2 Flood Warning - Lake level between elevation 576' and 578' causing closing of the lower access roads, leaving only Duff-Washa and other higher roads available for access to the Station.

6.2.1 The Shift Manager shall:

- a. Make an announcement over the Gai-tronics System that a Flood Warning is in effect.
- b. Notify the On-call Emergency Offsite Manager of the Flood Warning.
- c. Consult the Plant Manager and decide whether or not to activate RA-EP-02870, Station Isolation.
- d. Notify the following individuals of the flooding situation:
  - Manager - Davis-Besse Operations
  - Manager - Davis-Besse Maintenance
  - Manager - Radiation Protection
  - Supervisor - Security Shift

- 6.2.2 The On-call Emergency Offsite Manager shall:
- a. Consult with the Ottawa County Sheriff and Ottawa County Emergency Management Agency Director to assess road conditions.
  - b. Prepare a taped message for the Davis-Besse Employee Information Hotline.
  - c. Activate all group pagers to call the Davis-Besse Employee Information Hotline.
  - d. Ensure transportation is available to transport personnel to the station should conditions deteriorate. Transportation resources should be considered in the following order:
    1. Station resources
      - 4-Wheel Drive Vehicles
      - Various Trucks
    2. Toledo Edison resources
      - Materials/Fleet Management - Toledo Fleet and Garage
    3. FirstEnergy resources
      - Materials/Fleet Management Director
  - e. Monitor the lake level.
  - f. Modify the taped message as needed to insure the information on the Davis-Besse Employee Information Hotline is current.

NOTE 6.3

Since the station will be isolated by flooded roadways at Lake levels over 578', a minimal workforce should be scheduled for essential operating and emergency activities.

6.3 Flood Emergency - Lake levels over elevation 578' causing access to the Station to be limited to rail, boat and helicopter.

6.3.1 The Shift Manager shall:

- a. Notify the station that a Flood Emergency exists and with the concurrence of the Plant Manager (if available) declare RA-EP-02870, Station Isolation in effect.
- b. Notify the On-Call Emergency Offsite Manager of the Flood Emergency.
- c. Determine the proper emergency classification and take actions in accordance with RA-EP-01500, Emergency Classification.
- d. Station operation shall be maintained by essential operating and staff personnel until a shutdown is determined to be necessary by the Plant Manager, the Manager - Davis-Besse Operations, and/or the Shift Manager.

6.3.2 The On-call Emergency Offsite Manager shall:

- a. Record an appropriate message for the Davis-Besse Employee Information Hotline.
- b. Activate all group pagers to call the Davis-Besse Employee Information Hotline.
- c. Provide transportation for essential Station personnel. Transportation resources should be considered in the following order:
  1. Station resources
    - 4-Wheel Drive Vehicles
    - Various Trucks
  2. Toledo Edison resources
    - Materials/Fleet Management - Toledo Fleet and Garage
  3. FirstEnergy resources
    - Materials/Fleet Management Director
- d. Monitor the lake level.
- e. Modify the recorded message as needed to ensure the information on the Davis-Besse Employee Information Hotline is current.

6.3.3 Supervisors shall:

- a. Identify essential personnel when requested by the Shift Manager or Plant Manager.
- b. Obtain a recommended location for assembly from the On-Call Emergency Offsite Manager.
- c. Communicate to essential personnel where they should assemble.

6.3.4 Overnight accommodations for all isolated personnel shall be made in accordance with RA-EP-02870, Station Isolation.

7.0 FINAL CONDITIONS

Water level has receded to below 574' and access by road has been restored to the site.

8.0 RECORDS

8.1 The following quality assurance records are completed by this procedure and shall be listed on the Nuclear Records List, captured, and submitted to Nuclear Records Management in accordance with NG-NA-00106:

8.1.1 None

8.2 The following non-quality assurance records are completed by this procedure and may be captured and submitted to Nuclear Records Management, in accordance with NG-NA-00106:

8.1.2 None

ATTACHMENT 1: DBNPS ELEVATION PROFILE

Page 1 of 1

LAND SIDE		LAKE SIDE
<u>591' Top of Dike</u> \\ \\ \\ \\ \\		
590'		
<u>585' Sta. Floor Level</u> \\ \\ \\ \\ \\	<u>SITE AREA EMERGENCY</u>	<u>&gt;584.0'</u>
	<u>ALERT</u>	<u>584.0'</u>
580'	<u>UNUSUAL EVENT</u>	<u>580.0'</u>
<u>579' DBAB Floor Level</u> \\ \\ \\ \\ \\	<u>FLOOD EMERGENCY</u>	<u>578.0'</u>
	<u>FLOOD WARNING</u>	<u>576.0'</u>
	<u>FLOOD WATCH</u>	<u>574.0'</u>
570'		
	<u>UNUSUAL EVENT</u>	<u>562.0'</u>
560'	<u>ALERT</u>	<u>560.0'</u>
	<u>SITE AREA EMERGENCY</u>	<u>558.0'</u>
551'		<u>Bedrock Line</u>

COMMITMENTS

<u>Section</u>	<u>Reference</u>	<u>Comments</u>
Entire Procedure	TERMS Q 00070	Acts of nature procedure