

Davis Besse Power Station
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	TOC 1	TOC 2	Type	Number	Sht/Sec	Changes		Rev	Status
old	EPOC	EPON	PROC	RA-EP-02840		HS-EP-02840		0000	DISCONTINUED
new	EPOC	EPON	PROC	RA-EP-02840				0000	APPROVED

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EPON

Number	Title
HS-EP-02830	FLOODING
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-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-02840

(Supersedes HS-EP-02840 R 01)

EXPLOSION

REVISION 00

Prepared by: Dennis J. Gordon

Procedure Owner: Manager - Security

Effective Date: 5-29-02

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 emergency actions that shall be performed by Davis-Besse Nuclear Power Station (DBNPS) personnel in the event of an explosion at DBNPS.

2.0 REFERENCES

2.1 Manuals

2.1.1 Davis-Besse Nuclear Power Station Emergency Plan

2.1.2 Industrial Security Plan

2.2 Manuals

2.2.1 DB-OP-02529, Fire Procedure

2.2.2 DB-OP-00002, Operations Section Event/Incident Notifications and Actions

2.2.3 RA-EP-01500, Emergency Classification

2.2.4 RA-EP-02000, Medical Emergencies

2.2.5 RA-EP-02420, Search and Rescue

2.2.6 RA-EP-02800, Preparation and Transport of Contaminated Injured Personnel

2.2.7 RA-EP-02850, Hazardous Chemical and Oil Spills

3.0 DEFINITIONS

3.1 EXPLOSION: An uncontrolled violent expansion or bursting that is accompanied by loud noise and equipment damage. An explosion is typically caused by a sudden release of energy from a very rapid chemical reaction, or from an escape of gases or vapors under pressure.

4.0 RESPONSIBILITIES

4.1 The Shift Manager shall implement this procedure in the event of an explosion.

5.0 INITIATING CONDITIONS

This procedure shall be utilized when:

5.1 An explosion has occurred.

5.2 The Shift Manager has been notified of an explosion.

6.0 PROCEDURE

6.1 Activation

- 6.1.1 IF the Shift Manager determines that an explosion has occurred, THEN he shall immediately:
- a. Direct a check of control room instrumentation to identify affected plant areas.
 - b. Direct corrective action according to the effects indicated on the control panels.
 - c. Direct a search of the affected area(s) for injured personnel in accordance with RA-EP-02420, Search and Rescue.
 - d. Direct that injured personnel be treated onsite or transported to medical facilities. If they are radioactively contaminated, RA-EP-02800, Preparation and Transport of Contaminated Injured Personnel, shall govern these actions. If they are not radioactively contaminated, RA-EP-02000, Medical Emergencies shall be the governing procedure.
 - e. Determine if there is a fire in the plant, and if so, follow the instructions in DB-OP-02529, Fire Procedure.
 - f. Determine if there is a hazardous chemical or oil spill, and if so, follow the instructions in RA-EP-02850, Hazardous Chemical or Oil spills.
 - g. Determine the proper emergency classification, in accordance with RA-EP-01500, Emergency Classification.

6.2 Operation

- 6.2.1 When personnel are accounted for and the injured treated, the Shift Manager or another licensed operator shall conduct a physical examination of all affected areas with particular attention to the following systems, as appropriate:
- a. Emergency Core Cooling System; including the Borated Water Storage Tank
 - b. Component Cooling Water
 - c. Service Water
 - d. Makeup and Purification Systems
 - e. Boric Acid Storage Tanks and associated piping
 - f. Radwaste Systems

6.2.1 Cont.

- g. Spent Fuel Pool and Spent Fuel Pool Cooling System
- h. New Fuel Storage
- i. Containment Integrity
- j. Auxiliary Feedwater
- k. Nuclear Steam Supply System
- l. Ultimate Heat Sink

6.2.2 If the physical inspection reveals any tank leaks, pipe whip damage, equipment or component failure, or structural damage; then the Shift Manager shall determine the proper emergency classifications in accordance with RA-EP-01500, Emergency Classification, and take actions accordingly.

6.2.3 IF after inspection, sabotage is suspected or confirmed, THEN the following actions shall be taken:

- a. The Shift Manager shall notify the Supervisor – Security Shift in accordance with the Industrial Security Plan.
- b. The Plant Manager shall notify the Nuclear Regulatory Commission in accordance with DB-OP-00002, Operations Section Event/Incident Notification and Actions.

7.0 FINAL CONDITIONS

This procedure shall be deactivated when in the judgement of the Shift Manager:

7.1 There is no reasonable probability of another explosion or explosions.

AND

7.2 The event has been classified as an emergency in accordance with RA-EP-01500, Emergency Classification and the appropriate Emergency Plan Implementing Procedure has been or is being utilized.

OR

7.3 The explosion has caused minimal damage and conditions are stable

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 shall be listed on the Nuclear Records List, captured, and submitted to Nuclear Records Management in accordance with NG-NA-00106:

8.2.1 None

COMMITMENTS

<u>Section</u>	<u>Reference</u>	<u>Comments</u>
None	None	None

END