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DOCUMENTATION MANAGEMENT
DOCUMENT ON-LINE CONTROL SYSTEM
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PROC RA-EP-02810		SHT/SEC:		
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MANUAL TABLE OF CONTENTS

PAGE NO. 1

DB EMERGENCY PLAN OFF NORMAL OCCURRENCE PROCEDURES

DATE 11/8/99

MANUAL: EPON REVISION: 48

TAB	PROCEDURE NUMBER	REV	ST	EFFECT DATE	ALTERATION		TITLE
					ALTERATIONS	EFF DATE	
001	RA-EP-02000	00	CE	1/29/97			MEDICAL EMERGENCIES
002	RA-EP-02800	00	CE	5/1/95			PREPARATION AND TRANSPORT OF CONTAMINATED INJURED PERSONNEL
003	RA-EP-02805	02	CE	1/29/97			DAVIS-BESSE EMERGENCY TELEPHONE SYSTEM
004	RA-EP-02807	00	CE	10/26/95			EMERGENCY HELICOPTER LANDING ZONE
005	RA-EP-02810	01	CE	11/8/99			TORNADO
006	RA-EP-02820	02	CE	11/6/97			EARTHQUAKE
007	HS-EP-02830	01	CE	12/30/92			FLOODING
008	HS-EP-02840	01	CE	12/8/92			EXPLOSION
009	RA-EP-02850	01	CE	12/30/98			HAZARDOUS CHEMICAL AND OIL SPILLS
010	RA-EP-02861	01	CE	10/6/95			RADIOLOGICAL INCIDENTS
011	RA-EP-02864	00	CE	1/10/95			CONTAINMENT EVACUATION
012	RA-EP-02870	00	CE	5/13/96	C 962164	12/12/96	STATION ISOLATION
					C 970372	6/18/97	
013	RA-EP-02880	01	CE	10/14/98			INTERNAL FLOODING

Davis-Besse Nuclear Power Station

EMERGENCY PLAN OFF NORMAL OCCURRENCE PROCEDURE

RA-EP-02810

TORNADO

REVISION 01

Prepared by: *Patricia Suckling* 07/28/99
Date

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Date
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Approved by: *[Signature]* 8/10/99
Date
Director - Engineering & Services

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Date
Plant Manager

Effective Date: 11/8/99

Procedure Classification:

Safety Related

Quality Related

Non-Quality Related

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1.0 PURPOSE

This procedure describes the actions that shall be taken when weather conditions favor the formation of tornadoes.

2.0 REFERENCES

2.1 Developmental

2.1.1 Davis-Besse Nuclear Power Station Emergency Plan

2.1.2 NUMARC 87-00, Guidelines and Technical Bases for NUMARC Initiative Addressing Station Blackout at Light Water Reactors

2.2 Implementation

2.2.1 RA-EP-01500, Emergency Classification

2.2.2 DB-OP-02550, Dry Fuel Storage Abnormal Events

3.0 DEFINITIONS

3.1 **TORNADO WATCH** - a forecast issued in advance of a severe weather event to alert the public to conditions which may favor the formation of tornadoes.

3.2 **TORNADO WARNING** - A notice issued as a result of a sighting of a tornado in the warning area, or as determined through the interpretation of Radar Imaging.

4.0 RESPONSIBILITIES

4.1 The Shift Supervisor shall be responsible for:

4.1.1 Notifying the Supervisor - Security Shift of a tornado watch or warning.

4.1.2 Notifying the On-Call Emergency Offsite Manager of a tornado watch or warning.

4.2 The Supervisor - Security Shift shall:

4.2.1 Advise the Shift Supervisor of any messages received concerning tornado information via the Ottawa County tone alert radio, or any other sources.

NOTE 4.2.2

Notification of Owner Controlled Area personnel is dependent upon shift manning and weather compensatory measures that may be in effect.

4.2.2 Ensure Security notifies individuals in remote areas of the Owner Controlled Area of a tornado warning.

- 4.3 The On-Call Emergency Offsite Manager shall be responsible for consulting with Ottawa County and Lucas County officials to suspend Prompt Notification System testing during tornado watches or warnings.

5.0 INITIATING CONDITIONS

This procedure shall be utilized when the Control Room has been made aware of a tornado watch or a tornado warning for areas which include the power station.

- 5.1 The Shift Supervisor should instruct Control Room personnel to monitor available weather information for adverse weather trends or notices from the National Weather Service.

6.0 PROCEDURE

6.1 Activation

6.1.1 The Control Room operator shall:

- a. Inform the Shift Supervisor of a tornado watch or tornado warning for Ottawa County.
- b. Closely and continuously monitor the Control Room panels to determine any effects on instrumentation, controls, or station operations.

6.1.2 The Shift Supervisor shall:

WARNING 6.1.2.a

Weather conditions may make inspection of outside areas hazardous.

- a. Direct an inspection of the Protected Area and switchyard for potential missiles and reduce missile potentials where practical.
- b. Evaluate ongoing maintenance activities and expedite the restoration of important plant systems and components to service.

6.2 Operation During a Tornado Watch

6.2.1 In the event of a tornado watch for areas which include the power station, the Shift Supervisor shall notify:

- a. The Supervisor - Security Shift
- b. On-Call Emergency Offsite Manager

6.2.2 The Supervisor - Security Shift shall direct security patrols to:

- a. Report any tornado sightings to the Control Room.
- b. Advise the Shift Supervisor on any messages received via the Ottawa County tone Alert Radio, or other sources, as applicable.

6.2.3 The On-Call Emergency Offsite Manager shall consult with Ottawa County and Lucas County officials to decide if scheduled tests of the Prompt Notification System should be suspended for the duration of the tornado watch.

6.3 Operation During a Tornado Warning

6.3.1 The Shift Supervisor shall ensure:

- a. Announcement of the tornado warning over the Gaitronics System.
- b. Notification of the Supervisor - Security Shift of the tornado warning.
- c. Notification of the On-Call Emergency Offsite Manager of the tornado warning.
- d. Notification of the On-Call Plant Manager.

CAUTION 6.3.1.e

To minimize the possibility of a complete loss of AC power,
DO NOT parallel the Emergency Diesel Generators (EDGs)
with the C1 or D1 busses.

- e. In Modes 1 through 4, ensure that both the EDGs are started and set at idle speed. In Modes 5 and 6, ensure that at least one EDG is started and set at idle speed.
- f. Evaluate the need to start the Station Blackout Diesel Generator (SBODG).
- g. Order all fuel handling operations suspended.
IF fuel is being supported from a crane or a bridge,
THEN order it placed into a safe storage location.
- h. Suspend all movement of radioactive waste until the tornado warning has been canceled.
- i. Order all nonessential station operations halted.
- j. Instruct station personnel to prepare for a rapid shut-down of the plant.
- k. Use RA-EP-01500, Emergency Classification, to determine the proper emergency classification, if any, and take appropriate actions.

CAUTION 6.3.2

Notification of Owner Controlled Area personnel is dependent upon shift manning and weather compensatory measures that may be in effect.

- 6.3.2 The Supervisor - Security Shift shall ensure that Security personnel inform individuals in remote areas of the Owner Controlled Area (OCA) about the tornado warning, as time and conditions permit.
- 6.3.3 The On-Call Emergency Offsite Manager shall consult with Ottawa County and Lucas County officials to decide if scheduled tests of the Prompt Notification System should be suspended for the duration of the tornado warning.

7.0 FINAL CONDITIONS

Use of this procedure shall be terminated when the tornado watch or tornado warning has been canceled.

- 7.1 The Shift Supervisor shall ensure:
 - 7.1.1 That the EDGs are stopped and restored to normal standby mode.
 - 7.1.2 IF an emergency has been declared in accordance with RA-EP-01500, Emergency Classification, THEN, take actions accordingly.
 - 7.1.3 Announcement is made over the Gaitronics system that the tornado threat has expired.
 - 7.1.4 REFER TO DB-OP-02550, Dry Fuel Storage Abnormal Events.
 - 7.1.5 Notification of the Supervisor - Security Shift that the tornado watch or warning has expired.
 - 7.1.6 Notification of the On-Call Emergency Offsite Manager that the tornado watch or warning has expired.
 - 7.1.7 Notification of the On-Call Plant Manager that the tornado warning has expired.

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

COMMITMENTS

<u>Section</u>	<u>Reference</u>	<u>Comments</u>
Entire Procedure	TERMS Q 00070	Acts of Nature Procedure
6.1.2 a & b	PCAQR 93-0531 NUMARC 87-00 Section 4.2.3	PCRs 93-2745, 2323; Implements NUMARC 87-00: Station Blackout

END