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Davis-Besse Power Station
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Page 1 of 1

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Davis-Besse Nuclear Power Station

EMERGENCY PLAN OFFNORMAL OCCURRENCE PROCEDURE

RA-EP-02870

STATION ISOLATION

Revision 06

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Procedure Owner: Emergency Response Manager

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**LEVEL OF USE:
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TABLE OF CONTENTS

	<u>Page</u>
1.0 PURPOSE.....	3
2.0 REFERENCES	3
3.0 DEFINITIONS.....	3
4.0 RESPONSIBILITIES	4
5.0 INITIATING CONDITIONS	4
6.0 PROCEDURE.....	5
6.1 Isolation Watch.....	5
6.2 Isolation Warning	6
6.3 Station Isolation	9
6.4 Deactivation.....	11
7.0 FINAL CONDITIONS	12
8.0 RECORDS.....	12
ATTACHMENT 1 Terms Commonly Used During Adverse Weather Conditions	13
ATTACHMENT 2 Emergency Vehicle List	14
COMMITMENTS.....	15

1.0 PURPOSE

This procedure describes measures to be taken if the Davis-Besse Nuclear Power Station (DBNPS) is likely to, or has, become isolated.

2.0 REFERENCES

2.1 Developmental

- 2.1.1 Davis-Besse Nuclear Power Station (DBNPS) Emergency Plan
- 2.1.2 Emergency Plan Telephone Directory
- 2.1.3 Human Resources Letter 503: Base Pay

2.2 Implementation

- 2.2.1 NOP-LP-1002, Fitness for Duty Program
- 2.2.2 RA-EP-00600, Emergency Facilities and Equipment Maintenance Program

3.0 DEFINITIONS

- 3.1 **ADVERSE WEATHER CONDITIONS** - Weather conditions which can disrupt normal vehicular transportation to and from DBNPS. These conditions are primarily winter storms and flooding.
- 3.2 **CONTINUOUS STATION ISOLATION PREPARATIONS** - Actions taken in advance to minimize discomfort for persons who are stranded at DBNPS. These preparations include storage and maintenance of isolation supplies.
- 3.3 **DB Café** - Station cafeteria located on the fifth floor of the station administration building.
- 3.4 **DBAB ISOLATION SUPPLY ROOM** - A room located behind the North Badging Station on the first floor of the Davis-Besse Administration Building (DBAB) containing basic supplies for 150 people for two days.
- 3.5 **DISMISS** - As used in this procedure, dismissed personnel are not required for continued station operation. Dismissed personnel may stay at DBNPS or they may leave if they wish.
- 3.6 **EMERGENCY VEHICLES** - Any vehicle which may be utilized during an emergency (salt truck, ski-dozer, etc.).
- 3.7 **ISOLATION WARNING** - A formal notice that DBNPS may be isolated from normal vehicular transportation by adverse weather conditions.
- 3.8 **ISOLATION WATCH** - Adverse weather has formed and is approaching the area.

- 3.9 STAGING - The act of relocating select Station Isolation Supplies from the Containment Access Facility or DBAB Isolation Supply Room, in preparation for use.
- 3.10 STATION ISOLATION - DBNPS will be considered isolated when normal vehicular transportation to and from the station is no longer possible.

4.0 RESPONSIBILITIES

- 4.1 The Emergency Response Manager shall maintain food supplies and sleeping facilities as defined in RA-EP-00600, Emergency Facilities and Equipment Maintenance Program.
- 4.2 The Shift Manager is responsible for declaring Isolation Watches, Isolation Warnings, and Station Isolations when weather conditions necessitate these declarations.
- 4.3 Other positions with responsibilities in this procedure are: The Duty Team Leader, the Shift Engineer, the Security Shift Supervisor, and the Isolation Coordinator.
- 4.4 Davis-Besse Nuclear Power Station Personnel:
- a. should monitor local television and radio stations for weather and road conditions.
 - b. shall not contact the Control Room for weather and road reports.
 - c. shall carry their Company identification card whenever performing Company business.
 - d. are responsible for leaving their work area in a safe condition.

5.0 INITIATING CONDITIONS

This procedure shall be utilized by the Shift Manager during station isolation conditions. Station isolations are typically caused by adverse weather conditions such as snow storms, ice storms, and flooding.

NOTE 6.0

Actions in Section 6.0 may be performed simultaneously.

6.0 PROCEDURENOTE 6.1

1. An Isolation Watch is used to increase station awareness of the potential for adverse offsite road conditions, and to pre-stage equipment and personnel.
2. Refer to Attachment 1, Terms Commonly Used During Adverse Weather Conditions.

6.1 Isolation Watch

- 6.1.1 The Shift Manager and Duty Team Leader, utilizing available information, shall evaluate projected severe weather conditions which may impact access to the station.

Available Information Sources are:

- Distribution Dispatcher (Toledo Edison Western Regional Dispatch Office)
- System (Load) Dispatcher - Western (System Control Center)
- Local weather reports
- Reports from staff
- Other weather information sources

- 6.1.2 If the assessment by the Shift Manager and Duty Team Leader determines that projected weather may impact access, the following should occur:

- a. Evaluate consumable resources: fuel oil, compressed gases, gasoline, etc., necessary for continued plant operation and, as appropriate, arrange delivery prior to the storm.

NOTE 6.1.2.b

Keys for the Davis-Besse Administration Building (DBAB) Isolation Supply Room are kept in the key cabinet in the Radiation Monitoring Team Briefing Room.

- b. Ensure proper staging of Isolation Supplies as needed for the Protected Area. Primary staging for the Protected Area is the Containment Access Facility (CAF), 1st floor mezzanine.
- c. Fuel and shelter designated emergency vehicles, e.g., snow plows (also ref. Attachment 2, Emergency Vehicle List).
- d. Refer to Emergency Plan Telephone Directory, Section 2.1.D, and send out a message to the ERO using the internet or email, advising ERO personnel that the station has entered an Isolation Watch.
- e. Notify the following continuous service personnel: Maintenance, Security, Radiation Protection and Chemistry.

NOTE 6.1.2.f

Call-outs of personnel are subject to the requirements of NOP-LP-1002, Fitness for Duty Program.

- f. Evaluate plant needs and place on standby those personnel which may need to be called in.
- g. As appropriate, hold a conference call with the duty team to discuss the isolation watch response.

6.2 Isolation Warning

6.2.1 When the Distribution Dispatcher (Toledo Edison Western Regional Dispatch Office), the System (Load) Dispatcher (System Control Center) or any other credible source indicates that weather conditions will impact or are impacting station access to the point that conditions will result in a Station Isolation, the Shift Manager shall:

- a. Issue an Isolation Warning with the concurrence of the Duty Team Leader.

NOTE 6.2.1.b

Call-outs of personnel are subject to the requirements of NOP-LP-1002, Fitness for Duty Program.

- b. Call in the Emergency Plant Manager (EPM), Emergency Offsite Manager (EOM), and the Duty Operations Manager. The EOM and EPM may elect to call in additional staff. The EOM should report to the EOF at the Lindsay Emergency Response Facility.
 - c. As appropriate, hold a conference call with the duty team to discuss the isolation warning response.
 - d. Refer to Emergency Plan Telephone Directory, Section 2.1.D to send out an ERO alpha-numeric group page using the internet or email advising ERO personnel that the station has entered an Isolation Warning.
 - e. Call in or retain Operations, Security, Radiation Protection, Chemistry and Maintenance personnel, as appropriate.
 - f. Notify the Security Shift Supervisor of the Isolation Warning.
 - g. Appoint an Isolation Coordinator to assist the Shift Manager by maintaining a current status of activities associated with the isolation. Ordinarily the EOM is appointed Isolation Coordinator upon arrival.
- 6.2.2 The Security Shift Supervisor shall:
- a. As appropriate, seek information from personnel reporting to the Station as to the road conditions.
 - b. Establish contacts with local law enforcement agencies to gather information on road conditions.
 - c. Periodically advise the Shift Manager, or his designee, as to current road conditions.
- 6.2.3 The Shift Manager or designee shall:
- a. If not already performed, ensure proper staging of isolation supplies as needed for the Protected Area. Primary staging for the Protected Area is the Containment Access Facility (CAF), 1st floor mezzanine.
 - b. Ensure proper staging of supplies, as needed, for the Owner Controlled Area. The DBAB Isolation Supply Room contains bulk supplies and five 2-person kits with pre-selected supplies that can be utilized throughout the Owner Controlled Area or to supplement supplies in the Protected Area. Isolation supplies are also staged at the Lindsay Emergency Response Facility.

- c. Ensure emergency vehicles and snow removal equipment are ready for use, as appropriate (reference Attachment 2, Emergency Vehicle List).
- d. If station warning is due to snow, ensure that Maintenance Services personnel keep station roadways accessible.

6.2.4 The Duty Team Leader should:

- a. Confer with the On Call Duty Director to determine the disposition of non-essential personnel. The following issues should be considered:
 - 1. Staffing requirements for continuous station operation.
 - 2. Staffing requirements for the Emergency Response Organization (ref. Minimum Station Isolation Staffing, DBEP-0915).
- b. IF non-essential personnel are to be dismissed, THEN, Human Resources Letter 503: Base Pay, should be reviewed. An appropriate message should then be prepared and communicated to non-essential employees.

NOTE 6.2.5

- 1. The need and ability to arrange for transportation is dependent upon the duration and severity of the storm, and the need for personnel. In some cases, it may be more appropriate from a personnel safety perspective to wait out the storm.
- 2. Call-outs of personnel are subject to the requirements of NOP-LP-1002, Fitness for Duty Program.
- 3. Company employees with a valid Company Identification Card are permitted to travel "closed roads" when performing Company business or when coming to work or returning directly home from work. As always, personnel should exercise good judgment when traveling on weather impacted roads.

6.2.5 The Isolation Coordinator shall:

- a. Use Minimum Station Isolation Staffing form (DBEP-0915) and the Emergency Plan Telephone Directory, to assure the required minimum ERO staffing is present at the station and the EOF in Lindsay. Contact the Shift Manager to determine what actions have been taken for shift staffing. Call in additional staffing as needed.
- b. As appropriate, hold conference calls with the duty team to discuss the isolation warning response.

- c. Arrange transportation for required staff members that cannot reach the Station. Transportation resources should be considered in the following order:
 - 1. Station resources (also ref. Attachment 2, Emergency Vehicle List)
 - 4 Wheel Drive Vehicles
 - Various Trucks
 - Ski-dozer
 - 2. First Energy resources
 - Contact the DB Nuclear Supply Chain Manager to assist with transportation needs, if required.
- d. Establish a pickup point location, as required.
- e. Contact personnel to advise them of the location of the established pickup point. Contacted personnel shall be informed of the impending isolation, and should be told to prepare to remain onsite for several days.
- f. Coordinate eating and sleeping arrangements for all isolated personnel with the On Call Emergency Facilities Services Manager (Owner Controlled Area), the Shift Engineer (Protected Area), the OSC Manager, and the EOM (Lindsay EOF), if staffed.

6.3 Station Isolation

NOTE 6.3.1

Flooding is a local problem which generally affects all access routes, winter weather may only impact employees in a given community.

- 6.3.1 When normal vehicle access to the plant is no longer possible, the Shift Manager shall:
- a. Declare a station isolation based on the current weather conditions and with the concurrence of the Duty Team Leader.
 - b. Make an announcement over the Gaitronics and direct the Secondary Alarm Station (SAS) to make an announcement over the Owner Controlled Area Public Address System advising all station personnel of the station isolation.
 - c. Refer to Emergency Plan Telephone Directory, Section 2.1.D to send out an ERO alpha-numeric group page using the internet or email advising ERO personnel that the station has entered a Station Isolation.
 - d. Develop a shift schedule utilizing all available personnel based on the estimated duration of the station isolation.

- e. Consider the event reportable under 10CFR50.72(b)(3)(xiii) if a "Station Isolation" has been declared in accordance with this procedure and the following condition exists: Ottawa County has declared that they are incapable of performing their emergency plan responsibilities.
 - 1. Contact the Duty Emergency Response individual to determine if Ottawa County is able to perform their emergency plan responsibilities.
 - 2. Consult with the Duty Regulatory Compliance Manager, as appropriate.
- f. Authorize access to the DB Café food and equipment in absence of the food service vendor.
 - 1. Appoint a person to recruit food services personnel and to establish a process for recording the amount of food served to the isolated staff. If members of the food services vendor are present, request their support, as appropriate.
- g. Evaluate ongoing and planned work activities and, as appropriate, suspend work which has the potential to negatively impact plant operations.

6.3.2 The Isolation Coordinator shall:

- a. Establish a center to collect information and station a communicator.
- b. Advise the Shift Manager, Duty Team Leader, and Duty Operations Manager of your location and keep them informed as to the isolation status.
- c. Contact each office area in the Owner Controlled Area and advise personnel to keep you apprised as to the number of personnel present in the structure.
- d. Supervise issuance of supplies from isolation supply storage locations for the Protected Area, Owner Controlled Area, and Lindsay EOF using DBEP-008, Inventory Signout Checklist, located in each storage location.
- e. Coordinate use of the berthing areas in the DBAB.

6.3.3 The Isolation Coordinator should coordinate the recovery effort to establish priorities following the isolation. The following priorities shall be considered:

- a. Shift relief and staff augmentation
- b. Re-establishment of site access and parking
- c. Additional and replacement material, as needed.

6.4 DeactivationNOTE 6.4.1

1. The best indications for local road conditions are from employees arriving at the station. Information can also be obtained from security personnel at the Primary Access Facility.
2. All employees with a valid Company Identification Card who are important to plant operations are permitted to be on the roadway during a Level 3 Snow Emergency. As always, personnel should exercise good judgment when traveling on weather impacted roadways.

- 6.4.1 The Shift Manager, when access to the station is restored and conditions are not expected to deteriorate, shall contact the Duty Team Leader and obtain concurrence to deactivate from Station Isolation.
- 6.4.2 The Shift Manager, when the isolation is terminated, shall:
- a. Notify the Security Shift Supervisor that the isolation is terminated.
 - b. Refer to the Emergency Plan Telephone Directory, Section 2.1.D to send out an ERO alpha-numeric group page using the internet or email advising personnel that the station has terminated the Station Isolation.
 - c. Return shift workers to their normal hours and rotation.
 - d. Release extra personnel from duty.
 - e. Advise NRC that Station Isolation has been deactivated.
- 6.4.3 The Security Shift Supervisor shall:
- a. Reevaluate Security staffing and return to normal as appropriate.
- 6.4.4 The Isolation Coordinator shall:
- a. Ensure that all equipment is returned to the appropriate isolation supply storage locations.
 - b. Forward all Inventory Signout Checklist sheets to the Emergency Response Manager.
 - c. Meet with the food service vendor to obtain a bill for the DB Café food used during the isolation period.
- 6.4.5 The Emergency Response Manager shall:
- a. Inventory all isolation supply storage locations in accordance with RA-EP-00600, Emergency Facilities and Equipment Maintenance Program.

- b. Order/replenish immediately all supplies needed to restock all isolation supply locations to the levels indicated on DBEP-068, Emergency Isolation Supply Inventory, DBEP-067, Berthing Area Inventory, and DBEP-301, Lindsay Emergency Response Facility Inventory.
- c. Ensure any isolation supplies that were staged for use are placed back in storage.
- d. Ensure any soiled linen is laundered and replaced in the appropriate isolation supply storage location.

7.0 FINAL CONDITIONS

Normal access to the Station has been restored, extra personnel have been released, normal shift manning has been restored, housekeeping supplies have been inventoried and stored, and replacement supplies have been ordered.

8.0 RECORDS

- 8.1 IF the following quality assurance records are completed by this procedure during a classifiable event
THEN the records shall be processed and retained as part of the Event Package in accordance with RA-EP-02720, Recovery Organization,
OTHERWISE the following quality assurance records completed by this procedure shall be listed on the Nuclear Records List, captured, and submitted to Records Enterprise Management in accordance with NOP-SS-3300:

8.1.1 None

- 8.2 The following non-quality assurance records are completed by this procedure and may be captured and submitted to Enterprise Records Management in accordance with NOP-SS-3000:

8.2.1 DBEP-008, Inventory Signout Sheet

8.2.2 DBEP-0915, Minimum Station Isolation Staffing

ATTACHMENT 1
TERMS COMMONLY USED DURING ADVERSE WEATHER CONDITIONS

Page 1 of 1

NOTE

Experience has found that these terms are not consistently used by all media and governmental agencies.

1. *Blizzard Warning* - The worst of all winter warnings, with winds speeds of at least 35 MPH. Heavy snow, dangerous wind chills and blowing snow.
2. *Blowing Snow Advisory* - Snow already on the ground being wind blown and intermittently reducing visibility to ¼ mile or less.
3. *Freezing Rain or Drizzle Advisory* - Light amounts of freezing rain or drizzle enough to cause some travel problems. A winter storm warning is issued for severe freezing rain events.
4. *Snow Advisory* - Snow fall in amounts sufficient to cause significant travel problems (usually several inches).
5. *Snow Emergency* - Bans parking on streets identified as snow-routes. A Snow Emergency may be classified as one of the following levels:
 - Level 1 Roadways are hazardous due to accumulated snow or ice. Drive with caution.
 - Level 2 Roadways are hazardous with blowing and drifting snow and/or ice cover. Only those who believe it necessary to drive should be on the roadways. Contact your employer to see if you should report to work.
 - Level 3 Roadways are closed to all non-emergency travel due to extremely hazardous conditions. No one should be on the roadways unless it is absolutely essential to travel. Those operating vehicles on the roadways for non-emergency reasons may be subject to arrest.
6. *Storm Warning* - Bad weather is imminent and actions shall be taken immediately to protect life and property.
7. *Storm Watch* - Bad weather has formed and is approaching the area.
8. *Wind Chill Advisory* - Wind chill levels in the dangerous category (-30° or below).
9. *Winter Weather Advisory* - Used for a combination of snow, freezing rain or sleet and cold temperatures which reduce visibility and cause problems for travelers.

ATTACHMENT 2
EMERGENCY VEHICLE LIST
 Page 1 of 1

<u>Vehicle</u>	<u>Normal Storage Location</u>	<u>Location of Keys</u>
RMT Vehicles	Parking Lot between DBAB and DBAB Annex	RMT Briefing Room
Ski-dozer	Outside Service Building #4	Shift Manager
Maintenance Services Dump Truck	Service Building #6	Maintenance Services Key Box
4-Wheel Drive Pick-up	Outside the Primary Access Facility (PAF)	Maintenance Services Key Box
Station Services Tractors	Service Building #6	Maintenance Services Key Box
Forklift	Service Building #6	Maintenance Services Key Box

NOTES:

1. Fuel is available at Service Building #4. If the pumps are locked, contact Security for the key.
2. Back-up locations for all keys are the Security locksmith or Mobile Central.

COMMITMENTS

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