

THE TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION
EMERGENCY PLAN IMPLEMENTING PROCEDURES
REVISION INDEX

<u>PAGE</u>	<u>REVISION</u>	<u>PROCEDURES</u>	<u>REVISION</u>	<u>TEMPORARY MODIFICATIONS</u>
1	0	EI 1300.00	5	
		EI 1300.01	5	
		EI 1300.02	5	
		EI 1300.03	5	
		EI 1300.04	4	
		EI 1300.05	4	
		EI 1300.06	5	
		EI 1300.07	5	
		EI 1300.08	6	T-7400
		EI 1300.09	1	
		EI 1300.10	1	
		EI 1300.11	2	
		EI 1300.12	3	

Revision 34
December, 1983

B401060091 831228
PDR ADOCK 05000346
F PDR

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.00

Station Response to Emergencies.

Record of Approval and Changes

Prepared by G. J. Reed 5/30/80
Date

Submitted by C. E. Wells 6/13/80
Section Head Date

Recommended by [Signature] 6/13/80
SRB Chairman Date

QA Approved N/A
Quality Assurance Manager Date

Approved by [Signature] 8/18/80
Station Superintendency Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	<u>[Signature]</u>	1/21/81	NA		<u>[Signature]</u>	3/4/81
2	<u>Amendment</u>	6/15/82	NA		<u>[Signature]</u>	7/1/82
3	<u>Amendment</u>	10/13/82	NA		<u>[Signature]</u>	10/29/82
4	<u>Amendment</u>	1/25/83	NA		<u>[Signature]</u>	2/8/83
5	<u>Amendment</u>	11/8/83	NA		<u>[Signature]</u>	11/29/83

1. PURPOSE

To present a summary of Station actions during an emergency and to outline the interface between Station procedures and Emergency Plan Implementing Procedures (EI 1300 series).

2. REFERENCES

- 2.1 Davis-Besse Nuclear Power Station Emergency Plan
- 2.2 Davis-Besse Nuclear Power Station Emergency Plan Telephone Directory
- 2.3 TED Corporate Radiological Emergency Response Documents
- 2.4 AD 1827.17, Emergency Call System

3. DEFINITIONS

- 3.1 Emergency Duty Officer (EDO) - An assigned individual responsible for direction and coordination of activities during an emergency situation at the Station.
- 3.2 Operations Support Center (OSC) - An area in the Station in close proximity to the Control Room to which Station support personnel report and await instructions from the Shift Supervisor, Emergency Duty Officer or Station Operations Manager.
- 3.3 Technical Support Center (TSC) - An area within the owner controlled area, which has the capabilities to display and transmit station status information to individuals who are knowledgeable of and responsible for engineering and management support of reactor operations in the event of an emergency situation.

4. RESPONSIBILITIES

The Plant Operations Manager shall be responsible for the implementation of this procedure.

5. INITIATING CONDITIONS

- 5.1 An Alert, Site Area Emergency or General Emergency has been declared and the Plant Operations Manager or designated alternate has reported to the Control Room.
- 5.2 As determined by the Plant Operations Manager.

6. PROCEDURAL STEPS

6.1 Review and maintain knowledge of the overall plant status.

NOTE: The Assistant Station Superintendent, Operations, or his alternate, the Operations Engineer, becomes the Plant Operations Manager. He may assist the Shift Supervisor in directing plant activities and damage control efforts, however, ultimate authority for directing all phases of plant operations lies with the Shift Supervisor.

6.2 Keep the Station Operations Manager advised of plant operations.

NOTE: The Station Superintendent (Station Operations Manager) is ultimately responsible for all Station operations and the assignment of responsibilities in the onsite Emergency Organization. However, the onsite Emergency Organization is predefined, and alternate assignments specified.

6.3 Ensure that the members of the normal plant organization assume duties in the onsite Emergency Organization, as follows:

6.3.1 The Shift Supervisor's primary responsibility is maintaining the plant in a safe condition as well as carrying out the initial steps of the Emergency Duty Officer (EDO):

- a. Verify the existence of an emergency condition and determine the initial classification is applicable.
- b. Notify Station personnel, the Station Superintendent, key emergency response personnel and offsite support groups as required.

NOTE: The Station Superintendent and key emergency response personnel should be notified in accordance with AD 1827.17, Emergency Call System.

- c. Activate emergency teams (Fire Brigade Team, First Aid Team and Radiation Monitoring Teams).
- d. Control access of personnel to Control Room.
- e. Initiate immediate protective measures as required.
- f. Verify operating status of the Plant and Station.

NOTE: The Shift Supervisor maintains the role of EDO until properly relieved by the on-call EDO or his alternate.

- 6.3.2 The Operating Shift Crew, during an emergency, will control the power plant to mitigate the effects of the emergency conditions.

NOTE: Detection of an emergency is one of the first steps of the Emergency Plan. This step relies on the Operating Shift Crew to determine whether an abnormal situation exists based on all plant parameters, visual sightings of problems or sound engineering judgement. It may also be a supplementary action of Emergency Procedures, Alarm Procedure or Abnormal Procedures, etc.

- 6.3.3 The Operations Engineer, Operations Engineering Supervisor or the Operations Supervisor, becomes the Operations Engineer. He supervises Control Room activities, and performs on-the-spot operation analysis as required by the Shift Supervisor. The Shift Supervisor, and through him the operating shift, reports to the Operations Engineer.

- 6.3.4 The Operations Support Center is directed by the Maintenance Engineer (OSC Manager), or his alternate, the Lead Maintenance Support Engineer, or Lead Instrumentation and Control Engineer.

NOTE: The Operations Engineer and OSC Manager report to the Plant Operations Manager.

- 6.4 Ensure that upon determination of the appropriate emergency class, the Shift Supervisor then refers to the appropriate emergency classification procedure and proceeds with the actions outlined in the EDO check lists provided with the following procedures:

- 6.4.1 Unusual Event EI 1300.02

NOTE: When downgrading from a higher classification.

- 6.4.2 Alert EI 1300.03

- 6.4.3 Site Area Emergency EI 1300.04

- 6.4.4 General Emergency EI 1300.05

- 6.5 Review the options with the EDO, if necessary, as to which organizations and/or individuals should be activated. These decisions should be based on obtaining the best sources of information, experience and advice available.

- NOTES:
1. The expected degree of involvement of participating organizations is shown in Attachment 1.
 2. Refer to Attachment 2, Summary of the Station Emergency Plan, if questions arise as to the overall Emergency Plan response criteria and the general responsibilities of the various organizations involved.

- 6.6 Ensure that all personnel within the Protected Area onsite at the time of the declaration of an emergency, are notified of the emergency declaration by activation of the appropriate station alarm or an announcement over the public address system.

NOTE: These personnel may be required to report to assembly areas for accountability, monitoring and possible evacuation. At the assembly area, members of the emergency organization shall direct and conduct accountability, monitoring and evacuation efforts.

- 6.7 Ensure that if response actions within the plant require possible radiation exposures, the exposure levels remain below the emergency radiation exposure guidelines.

NOTE: Emergency measures may warrant the acceptance of above-normal radiation exposures. Saving a life, measures to circumvent substantial exposures to population groups, or even preservation of valuable installations, may all be sufficient cause for above normal exposures. The following are the guidelines for these emergency activities:

1. Life-saving action 100 rem
2. Corrective action 25 rem

Personnel involved in any of the above actions must be volunteers.

The senior Toledo Edison Management individual present shall authorize the above exposures and is responsible for maintaining exposures below these values. He shall seek advice from the Radcon Operations Manager (Chemist and Health Physicist) or members of the C&HP staff. He shall assure that measures are taken to

minimize other exposures (such as internal exposure) during the conduct of emergency operations.

- 6.8 Direct personnel found to be contaminated to undergo decontamination by Health Physics personnel (or other qualified personnel as specified in HP Procedures). Measures shall be taken to prevent the spread of contamination.
- 6.9 Ensure that first aid and medical treatment is be given to injured personnel who are contaminated.
 - 6.9.1 Station personnel, trained in first aid, shall assist contaminated personnel either at the scene of the accident or in the First Aid Room.
 - 6.9.2 The Secondary Alarm Station Security personnel shall be used to notify offsite authorities if an ambulance or medical assistance is required at the site.
- 6.10 Inform the EDO and Station Operations Manager when plant conditions appear to have stabilized as per EI 1300.11, Recovery.

NOTE: The Emergency Duty Officer and the Station Operations Manager have the joint responsibility for determining and declaring when an emergency situation is stable and the Station is ready to enter the reentry and recovery phase.

7. FINAL CONDITIONS

- 7.1 Abnormal plant conditions have been terminated and decreased below the Alert level of Emergency, and
- 7.2 Control of abnormal plant events has been transferred to the Recovery Organization or back to the Operating Shift Crew.

8. ATTACHMENTS

The following are attachments for use with this procedure:

1. Emergency Classifications and the Degree of Involvement by Participating Groups
2. Summary of the Station Emergency Plan

EMERGENCY CLASSIFICATIONS AND THE DEGREE OF INVOLVEMENT
BY PARTICIPATING GROUPS

Emergency Classification	Necessity for Protective Actions		Necessity for Corrective Actions***	Degree of Participation By Various Organizations		
	Onsite	Offsite		TED		Offsite Agencies
				Onsite	Corporate	
Unusual Event	None	None	Possible	Notification Status*	Notification Status*	Notification Status
Alert	Possible	None	Possible	Action	Standby Status**	Standby Status
Site Area Emergency	Probable	Possible	Probable	Action	Action	Action
General Emergency	Probable	Probable	Required	Action	Action	Action

* Notification Status: Organization informed of situation onsite.

** Standby Status: Organization staffs preplanned centers, establishes communications, and assembles emergency teams.

*** Action might include local fire support, ambulance service, medical assistance, or radiological assessment.

SUMMARY OF THE STATION EMERGENCY PLAN

The DBNPS Emergency Plan establishes the concepts, evaluation and assessment criteria, and protective actions that are necessary in order to limit and mitigate the consequences of potential or actual radiological emergencies. The Plan provides the necessary prearrangements, directions and organization so that all Station emergencies can be effectively and efficiently resolved in order to safeguard Station personnel, property and the general public.

In general, the Emergency Plan encompasses the following basic steps.

- a. Detection of the emergency
- b. Classification of the emergency
- c. Activation of the responding organizations
- d. Assessment of the situation
- e. Initiation of protective actions
- f. Initiation of corrective actions
- g. Aid to affected persons
- h. Periodic dissemination of updated information
- i. Reentry and recovery

Detection of the Emergency

Emergencies are detected by the Operating Shift Crew through alarms or abnormal plant indications or by Station personnel who witness emergency situations and report it to the Control Room.

Classification of the Emergency

Emergencies are grouped into four (4) classifications listed below in order of increasing severity:

- a. Unusual Event

The occurrence of an event or events which indicate a potential degradation of the level of safety of the plant. Unusual Event emergencies involve minor situations that have the potential to escalate to more serious emergencies.

b. Alert

The occurrence of an event or events which involve an actual or potential substantial degradation of the level of safety of the plant. The consideration is, as in an Unusual Event, to prepare to cope with potentially more serious emergencies. Alert emergencies may involve limited release of radioactive material.

c. Site Area Emergency

The occurrence of an event or events which involve actual or likely major failures of plant functions needed for protection of the public. The potential for a situation hazardous to the general public is the major concern of the Site Area Emergency classification. There also exists a significant actual or potential release of radioactive material.

d. General Emergency

The occurrence of an event or events which involve actual or imminent core degradation with the potential for loss of containment integrity. Large amounts of radioactive material, immediately hazardous to the general public, could be released during a General Emergency.

The classification of the emergency is determined by comparing plant conditions with the Emergency Action Levels described in Emergency Plan Activation Procedure EI 1300.01.

Activation of the Responding Organizations

The degree to the extent of activation of Toledo Edison personnel is indicated in Attachment 8.2. These personnel are activated via a combination radio pager system to key personnel and then a phone tree notification process to additional responders, as necessary.

Notification to State/local authorities (via the Ottawa County Sheriff) should be made as soon as possible (normally within 15 minutes) following the declaration of an emergency classification, as identified in 10 CFR 50 Appendix E, Section IV.D.3., Domestic Licensing of Production and Utilization Facilities.

Notification should be made to the NRC as soon as possible, or in all cases within one hour of the occurrence of any significant event as identified in 10 CFR 50.72, Licensing of Production and Utilization Facilities.

Additional support organizations can be notified as necessary to provide support to the specific plant event that has occurred. These organizations include, but are not necessarily limited to:

- a. Mutual Aid Utilities
- b. American Nuclear Insurers
- c. Institute of Nuclear Power Operations
- d. DBNFS Associated Engineering Firms (i.e., B&W and Bechtel)

Assessment of the Situation

Effective coordination and direction of all elements of the emergency organization requires continuing accident assessment throughout an emergency situation. Each emergency class shall invoke similar assessment methods, however, each classification imposes a different magnitude of assessment effort.

There are two important types of assessment:

- a. Operations/Engineering Assessment - performed to determine the best means in which the plant can be brought to a safe shutdown condition.
- b. Dose Assessment - performed to determine the appropriate protective actions to take based on the projected or actual dose to personnel as a direct result of the plant event.

Initiation of Protective Actions

Protective actions are emergency measures taken during or after an emergency situation that are intended to minimize or eliminate the hazard to the health and safety of the general public and/or Station personnel. Protective actions include the following:

- a. Protective Cover, Evacuation, Personnel Accountability

During an emergency, sheltering may be the most effective protective action. The relocation of personnel may also be required in order to prevent or minimize exposure to radiation and radioactive materials. In any event, personnel accountability is very important during this time to ensure that no one has been injured or trapped as a result of the event.

A combination siren activation and Emergency Broadcast System message release is available to provide notification of protective actions to the general public. However, the means to warn or advise persons involved in taking protective actions is the responsibility of the Ottawa County Commissioners through the Disaster Service Agency (DSA) Director and the Ottawa County emergency organization. The State Disaster Services Agency will provide recommendations to the County, as does Toledo Edison. It is the responsibility of the EDO to make these recommendations.

b. Use of Protective Equipment and Supplies

Sufficient equipment and supplies are available to respond to events at the Davis-Besse Station. Additional supplies, however, can be provided via Mutual Aid Utilities and the Institute of Nuclear Power Operations. Additionally, emergency response team members have been trained in the use of specific emergency equipment depending on their area of expertise or application during emergencies. Some of the specific teams trained for onsite response include: Radiation Monitoring Teams, Search and Rescue, Fire Brigade, and First Aid Teams.

c. Contamination Control Measures

In order to prevent or minimize direct or subsequent ingestion exposure to radioactive materials deposited on the ground or other surfaces, access to the owner-controlled area is controlled. In addition, there are no areas for producing agricultural products within the owner-controlled area. Station contamination control shall be exercised in accordance with approved procedures.

It is the responsibility of the State Department of Agriculture, in conjunction with the Department of Health and Environmental Protection, to issue guidance and coordinate actions to control contaminated agricultural products offsite. The State of Ohio has the responsibility to act on TED recommendations and to develop their own course of action. It is the responsibility of the Emergency Operations Manager to make these recommendations, if required.

Initiation of Corrective Actions

Corrective actions shall normally be planned events that are taken to mitigate the consequences of, or terminate the emergency situation.

Detailed operating procedures are available to the operators for use during emergencies as well as during normal operations. These procedures, as well as specific emergency procedures, are provided to assist the operators in placing the plant in a safe condition and taking the necessary supplemental corrective actions. In addition, operations personnel are capable of taking appropriate corrective actions based on their training, knowledge and experience.

As previously mentioned, selected DBNPS Staff personnel, including operations, health physics, chemistry, and maintenance personnel are assigned to emergency teams. These teams are capable of responding to situations in order to assess conditions and take any applicable corrective actions. Maintenance personnel provide the necessary crafts expertise to effect repair and damage control functions.

Aid to Affected Persons

Search and rescue efforts will be conducted if personnel have been found to be missing during an accountability check or some other means. Emergency exposure levels have been authorized for this effort, as well as provisions onsite for the use of thyroid blocking agents.

Emergency first aid and medical treatment shall always be given to injured personnel even if they are contaminated. Station personnel, trained in first aid, shall assist contaminated personnel either at the scene, or in the First Aid Room. Additionally, provisions have been made to ensure contaminated and injured personnel receive specialized medical treatment if necessary. The Magruder Memorial and St. Charles Hospitals have agreed to accept contaminated patients for emergency medical and surgical treatment and/or observation. If affected personnel must be transported, measures are taken to prevent the spread of contamination. The Carroll Township Emergency Medical Service is the primary ambulance agency for Davis-Besse.

Arrangements for medical services for injured or severely contaminated/over-exposed personnel are provided for by the REMS Corporation through the Peter Brent Brigham Memorial Hospital in Boston, Mass.

Dissemination of Updated Information

Various procedures used by both onsite and the offsite organizations provide for the timely update of plant conditions as they change or on a periodic basis. This allows for proper decisions to be made by the emergency workers involved in the response effort.

In addition, dissemination of public information is provided through a joint effort of the public information groups from Toledo Edison, the NRC and State and local authorities.

Reentry and Recovery

The reentry and recovery phase of the Emergency Plan consists of planned and deliberate actions taken to return the plant to pre-accident levels of radiation and contamination or to conditions which are acceptable and controllable for an extended period of time, allowing personnel to return to the plant site or for the general public to return to their homes offsite.

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.02

Unusual Event

Record of Approval and Changes

Prepared by G. J. Reed 5/30/80
Date

Submitted by C. E. Wells 6/13/80
Section Head Date

Recommended by *B. R. Buyer* 6/13/80
SRB Chairman Date

QA Approved N/A
Quality Assurance Manager Date

Approved by *T. D. Murray* 8/18/80
Station Superintendent Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	<i>B. R. Buyer</i>	1/14/81	NA		<i>T. D. Murray</i>	11/30/81
2	<i>Amending</i>	6/22/82	NA		<i>T. D. Murray</i>	7/2/82
3	<i>Amending</i>	10/12/82	NA		<i>T. D. Murray</i>	10/29/82
4	<i>B. R. Buyer</i>	6/7/83	NA		<i>T. D. Murray</i>	6/15/83
5	<i>Amending</i>	11/8/83	NA		<i>T. D. Murray</i>	11/29/83

1. PURPOSE

To outline the course of action and protective measures required to mitigate the consequences of a Station emergency at the Unusual Event level in order to safeguard Station personnel and the general public.

2. REFERENCES

- 2.1 Davis-Besse Nuclear Power Station Emergency Plan
- 2.2 EI 1300.01, Emergency Plan Activation

3. DEFINITIONS

Unusual Event - Event(s) are in progress or which occurred that indicate a potential degradation of the level of safety of DBNPS.

4. RESPONSIBILITIES

The Emergency Duty Officer shall be responsible for the implementation of this procedure.

NOTE: For an Unusual Event level of emergency, the Shift Supervisor may retain the Emergency Duty Officer function throughout the duration of the event. However, if necessary, the on-call Emergency Duty Officer can be requested by the Shift Supervisor to relieve him of this function.

5. INITIATING CONDITIONS

- 5.1 Whenever an Unusual Event has been recognized and classified per EI 1300.01, Emergency Plan Activation.
- 5.2 At the direction of the Emergency Duty Officer.

6. PROCEDURAL STEPS

OTE: Attachment 2 should be used to ensure that none of the following steps are overlooked.

- 6.1 Ensure appropriate alarm is sounded as necessary:

- 6.1.1 Fire
- 6.1.2 Containment Evacuation
- 6.1.3 Initiate Emergency Procedures

NOTE: The station alarm need NOT be sounded if downgrading from a higher classification.

6.2 Make the following announcement(s), not necessarily in this order:

6.2.1 "Attention all personnel; attention all personnel: an Unusual Event has been declared. All members of the on-shift emergency organization standby for further instructions. All other personnel continue with your present duties unless further instruction is given."

NOTE: If a prior classification has already existed, disregard the above and announce the following:

"Attention all personnel. The emergency condition has been downgraded to an Unusual Event. I repeat, the emergency condition has been downgraded to an Unusual Event."

6.2.2 If there is a localized emergency (e.g., fire), announce its type and location and instruct personnel to stand clear of this area.

6.3 Notify the following individuals:

6.3.1 Nuclear Security Supervisor

6.3.2 SAS Operator, if offsite support is needed for fires or medical emergencies.

6.3.3 Station Superintendent

NOTE: If downgrading from a prior emergency classification, the Station Superintendent and Key Emergency Response Personnel should be contacted via the communications channels between the emergency response facilities. In which case, the following methodology can be disregarded.

1. During normal working hours, the Station Superintendent should be reached over the Station gal-tronics or telephone or by utilizing his "beeper" pager in accordance with AD 1827.17, Emergency Call System. During off normal working hours, manually telephone his office and home using the numbers listed in Administrative Memorandum No. 37. If there is no answer, then attempt a page.

2. Upon being notified, the Station Superintendent shall then confer with the Shift Supervisor and ascertain the degree of response that may be necessitated by the plant event.

NOTE: If the Station Superintendent does NOT respond within five minutes, re-initiate the page. If a second page fails, the Assistant Station Superintendent, Operations, should be contacted. In the event that neither can be contacted, the Shift Supervisor should exercise his own judgement in dealing with the situation.

3. The Station Superintendent can then authorize the Shift Supervisor to tape an announcement on the Telephone Pager located in the Shift Supervisor's office.

NOTE: The announcement should include: 1) the Emergency Classification, 2) the level of response required, and 3) a brief description of plant conditions.

6.3.4 Key Emergency Response Personnel

1. The Shift Supervisor or his designee shall then activate the pagers of the key emergency response personnel as listed in Administrative Memorandum No. 37 in accordance with AD 1827.17, Emergency Call System.
2. When paged (beeped), those individuals must telephone the Edison Operator, who shall connect them with the Telephone Pager thus allowing them to hear the recorded message.
3. These individuals shall then notify additional personnel as required to provide adequate response to the event by using Administrative Memorandum No. 37.

NOTE: The NRC resident inspector should be notified by telephone if possible.

6.4 Notify the following agencies:

NOTE: When notifying an outside agency, record the time and the name of the individual contacted using Attachment

2 and request a return telephone call from the agency to verify notification.

6.4.1 Sheriff's Department, Ottawa County

This must be accomplished within 15 minutes of the emergency declaration. It can be performed by phone using either the regular number or an unlisted number provided for emergencies (both found in Admin. Memo 37) or, if necessary, by radio through CAS or SAS.

NOTE: This notification should include your identification, the type of classification, the date and time it was made, and a brief description of the cause of the event.

6.4.2 NRC Region III, Office of Inspection and Enforcement;
NRC, Emergency Incident Response Center, Bethesda,
Maryland

This must be accomplished by the NRC Emergency Notification System - Red Phone or commercial phone within one hour of the emergency declaration.

6.5 Access the situation by monitoring Control Room and other plant instrumentation.

6.5.1 Assessment of a fire shall be performed by the individual discovering it. Confirmation should be made by the Fire Brigade Captain with recommendations to the Shift Supervisor or Emergency Duty Officer. Refer to EP 1202.35, Fire Emergency.

6.5.2 Assessment of the condition of an injured individual and recommendations for care shall be made by the First Aid Team Leader in accordance with AD 1827.02, First Aid Response.

NOTE: Additional information on personnel actions can be found in Attachment 1.

6.6 Review EI 1300.01, Emergency Plan Activation, when plant conditions change to determine if the event should be reclassified.

NOTE: If reclassification is not required but the change was somewhat significant or unusual, an update should be made and documented on the Periodic Update Record, Attachment 3.

6.7 Perform the following if the emergency situation is resolved and the Unusual Event condition no longer exists:

6.7.1 Make the following notifications:

1. To Station personnel over the Station public address system:

"Attention all personnel. The emergency situation has been terminated. I repeat, the emergency situation has been terminated."
2. The Station Superintendent, as required, via telephone or beeper pager using Administrative Memorandum No. 37.

NOTE: Following notification of the Station Superintendent, the message on the Telephone Pager should be changed to specify that 1) the emergency has been terminated, and 2) no additional actions are necessary. Then the Key Emergency Response Personnel should be notified via activation of their beeper pagers or other means as conditions warrant.

3. The Ottawa County Sheriff's Department via telephone using Administrative Memorandum No. 37.

NOTE: This notification should simply state your name, that you're calling from DBNPS and that the emergency condition at Davis-Besse no longer exists and why (e.g., fire has been put out, etc.). Again record the time and the name of the individual contacted on Attachment 2.

4. The NRC Incident Response Center via the NRC Emergency Notification System or commercial phone.

6.7.2 Perform any necessary recovery actions as per EI 1300.11, Recovery.

6.8 Proceed to an alternate Implementing Procedure as per EI 1300.01, Emergency Plan Activation, if the emergency classification is upgraded.

7. FINAL CONDITIONS

The Unusual Event situation no longer exists and actions are being

taken per EI 1300.11, Recovery, or the emergency has been upgraded in classification.

8. ATTACHMENTS

The following are attachments for use with this procedure:

1. Personnel Actions During and Unusual Event
2. EDO/Shift Supervisor Unusual Event Checklist
3. Periodic Update Record

PERSONNEL ACTIONS DURING AN UNUSUAL EVENTOn-call Emergency Duty Officer (EDO)

The on-call Emergency Duty Officer, upon being informed that an Unusual Event has been declared, shall:

1. Evaluate the information, data, and methods utilized by the Shift Supervisor in making his determination in order to ensure that the proper emergency classification has been made.
2. Determine to what extent the onsite emergency organization shall be activated.

NOTE: For an Unusual Event, part of the onsite emergency organization and emergency teams may be activated or, depending on the circumstances, notification of key individuals may be all that is required.

3. Report to the Emergency Control Center and assume the position of Emergency Duty Officer, relieving the Shift Supervisor of this duty.

NOTES:

1. If the EDO reports to the ECC, he should contact the Emergency Planning Supervisor by telephone or request the Control Room to make contact via the Emergency Call System individual page.
2. For Unusual Events, the EDO should only be required to assist the Shift Supervisor in performing necessary communications. If anything more than this is required, then the classification may be more appropriately upgraded to an Alert, requiring full activation of the ECC.

Operating Shift Crew

1. Control Room operators shall maintain safe operations on the Station and minimize the potential hazards to Station personnel and the general public as directed by the Shift Supervisor.
2. In the event that the Shift Supervisor is incapacitated, his duties and responsibilities shall be assumed by the Assistant Shift Supervisor in the Control Room until relieved by a qualified Shift Supervisor.
3. Equipment and auxiliaries operators shall maintain safe operations of the plant as directed by the Shift Supervisor.
4. The Shift Technical Advisor (STA) shall provide technical and analytical support in the diagnosis of off-normal events. He shall also advise and assist the Shift Supervisor on matters pertaining to the safe and proper operation of the plant with regards to nuclear safety.

Shift Chemistry and Radiation Test (C&RT)

1. The shift C&RT shall provide radiological monitoring for the Fire Brigade in the event of a fire in RACA.
2. The shift C&RT shall monitor all injured personnel before they leave the site. An off-shift C&RT shall accompany or meet any contaminated personnel at the offsite medical facility.

Fire Brigade

1. The Fire Brigade Captain shall respond to any announced fire, evaluate the situation, direct the Fire Brigade, and keep the Shift Supervisor informed of the status of the fire.
2. Personnel assigned to the Fire Brigade shall respond to any announced fire with appropriate fire fighting and protective equipment and extinguish the fire as directed by the Fire Brigade Captain.
3. The first Fire Brigade Captain arriving on the scene should remain in charge of the fire until termination of the emergency or relieved by the Station Fire Chief or Assistant Fire Chief.
4. When local fire support is required within the Protected Area, local fire department personnel will function in conjunction with, and under the direction of the DBNPS Fire Brigade.

First Aid Team

1. The First Aid Team Leader shall respond to any announced personnel injuries, evaluate the situation, direct the First Aid Team and keep the Shift Supervisor informed of the status of the injured individual(s).
2. Personnel assigned to the First Aid Team shall respond to any announced personnel injury with appropriate first aid supplies and provide the necessary first aid treatment.

Nuclear Security Force

1. The Nuclear Security Supervisor shall implement AD 1808.00, the Industrial Security Plan, upon notification of a security threat, attempted unauthorized entry, or attempted sabotage.
2. Nuclear Security Officers shall maintain security of the Station as directed by the Nuclear Security Supervisor.

Onsite Personnel

Onsite personnel, who do NOT have specifically assigned duties during an Alert, shall proceed according to the directions given by the Shift Supervisor over the Station public address system (Gai-tronics).

Offsite Station Personnel

Station personnel that are notified to report to the site shall proceed as directed. Further directions will be given upon arrival.

Offsite Agencies and Organizations

1. The Carroll Township Ambulance Service shall provide transportation service as required for offsite medical treatment.
2. The H.B. Magruder Memorial Hospital and St. Charles Hospital shall provide offsite medical treatment for personnel as required.
3. The Carroll Township Fire Department shall provide primary response to fire alarms onsite as required.

NOTE: The Village of Oak Harbor Fire Department shall provide alternate response to fire alarms onsite as required through mutual aid with Carroll Township.

4. The Ottawa County Sheriff's Department is notified in order that local authorities may be prepared to answer inquiries generated by the public. The Sheriff's Department is also the main contact for medical and fire support agencies who respond to Davis-Besse.

EDO/SHIFT SUPERVISOR UNUSUAL EVENT CHECKLIST

<u>ACTION REQUIRED</u>	<u>DATE</u>	<u>ACTION COMPLETED</u>	
		<u>TIME</u>	<u>INITIALS</u>
1. Sound the appropriate alarm as per Step 6.1.	_____	_____	_____
NOTE: This need not be performed if downgrading from a higher classification.			
2. Notify plant personnel as per Step 6.2.	_____	_____	_____
3. Notify the following personnel"			
a. Nuclear Security Supervisor (Ext. 556 or 557)	_____	_____	_____
b. In the event of a fire or medical emergency, notify the SAS Operator who will notify the Ottawa County Sheriff's Department, who in turn notifies the appropriate response agencies.			
c. Station Superintendent (as per Step 6.3.2)	_____	_____	_____
d. Key Emergency Response Personnel (as per Steps 6.3.2 and 6.3.3)	_____	_____	_____
4. Notify the following agencies:			
a. Ottawa County Sheriff's Dept. (as per Step 6.4.1)	_____	_____	_____
NOTE: The initial notification should be made within 15 minutes of declaring the emergency. The initial notification message should include:			
a. Your name, _____, and that you are calling from the Davis-Besse Nuclear Power Station,			
b. The type of classification, <u>Alert</u> ,			
c. The date, _____, and time, _____ am/pm it was made, and			
d. A brief description of the event (e.g., fire requiring offsite support, contaminated/injured person, etc.):			

Record the name of individual contacted: _____

Then request a return (verification) telephone call.
Time received: _____ am/pm

ACTION REQUIREDDATETIMEINITIALS

NOTE:

If downgrading from a prior classification, disregard the above initial notification message and instead provide the following information:

- a. Your name, _____, and that you are calling from the Davis-Besse Nuclear Power Station,
- b. The classification has been downgraded to an Unusual Event,
- c. The date, _____, and time, _____ am/pm it occurred, and
- d. A brief description of why: _____

Record the name of the individual contacted: _____

- b. Nuclear Regulatory Commission _____

NOTE:

The initial notification should be made within one hour of declaring the emergency. If the red phone is unavailable, make the call via commercial phones using the number listed in Administrative Memorandum No. 37.

Record the name of individual contacted: _____

5. Continue to assess the situation and ensure that personnel actions are in accordance with Section 6.5 as applicable. _____

6. As conditions change, check EI 1300.01 to determine if reclassification is appropriate. _____

NOTE: If reclassification is not required, but the change was somewhat significant or unusual, an update should be made and documented on the Periodic Update Record, Attachment 3.

7. If the Unusual Event no longer exists:

- a. Notify plant personnel as per Step 6.7.1.a. _____
- b. Notify the Station Superintendent, as per Step 6.7.1.b. _____

ACTION REQUIREDDATETIMEINITIALS

- c. Notify the Ottawa County Sheriff's Department, as per Step 6.7.1.c _____

NOTE: The follow-up notification should state your name, _____, that you are calling from the Davis-Besse Nuclear Power Station, and that the emergency condition no longer exists, with a brief description why (e.g., the fire has been put out, etc):

Record the name of the individual contacted: _____

8. If the classification is upgraded, proceed to the next Implementing Procedure checklist, as per EI 1300.01. _____

REVIEWED BY _____
Station Superintendent

Date _____

FILED BY _____
Emergency Planning Supv.

Date _____

PERIODIC UPDATE RECORD

A periodic update was provided for:

a. TED personnel at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

b. NRC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

c. Ottawa County Sheriff/County EOC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

A periodic update was provided for:

a. TED personnel at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

b. NRC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

c. Ottawa County Sheriff/County EOC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

END

Attachment 3
Page 1 of 1

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.03

Alert

Record of Approval and Changes

Prepared by G. J. Reed 5/30/80
Date

Submitted by C. E. Wells 6/13/80
Section Head Date

Recommended by B. B. Beyer 6/13/80
SRB Chairman Date

QA Approved N/A
Quality Assurance Manager Date

Approved by T. D. Murray 8/18/80
Station Superintendent Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	<u>B. B. Beyer</u>	<u>1/14/81</u>	<u>NA</u>		<u>T. D. Murray</u>	<u>1/30/81</u>
2	<u>Sm. J. J. J.</u>	<u>6/22/82</u>	<u>NA</u>		<u>T. D. Murray</u>	<u>6/22/82</u>
3	<u>Sm. J. J. J.</u>	<u>10/19/82</u>	<u>NA</u>		<u>T. D. Murray</u>	<u>11/3/82</u>
4	<u>B. B. Beyer</u>	<u>6/7/83</u>	<u>NA</u>		<u>T. D. Murray</u>	<u>6/15/83</u>
5	<u>Sm. J. J. J.</u>	<u>11/10/83</u>	<u>NA</u>		<u>T. D. Murray</u>	<u>11/29/83</u>

1. PURPOSE

To outline the course of action and protective measures required to mitigate the consequences of a Station emergency at the Alert level in order to safeguard Station personnel and the general public.

2. REFERENCES

2.1 Davis-Besse Nuclear Power Station Emergency Plan

2.2 EI 1300.01, Emergency Plan Activation

3. DEFINITIONS

Alert - Events are in progress or have occurred which involve an actual or substantial degradation of the level of safety of DBNPS.

4. RESPONSIBILITIES

The Emergency Duty Officer shall be responsible for the implementation of this procedure.

NOTE: For an Alert level of emergency, the Shift Supervisor shall assume the role of the Emergency Duty Officer until the on-call Emergency Duty Officer relieves him of this function.

5. INITIATING CONDITIONS

5.1 Whenever an Alert has been recognized and classified per EI 1300.01, Emergency Plan Activation.

5.2 At the direction of the Emergency Duty Officer.

6. PROCEDURAL STEPS

NOTE: Attachment 2 should be used to ensure that none of the following steps are overlooked.

6.1 Ensure the appropriate alarm is sounded as necessary:

6.1.1 Fire

6.1.2 Containment Evacuation

6.1.3 Initiate Emergency Procedures

NOTE: The station alarm need not be sounded if downgrading from a higher classification.

6.2 Make the following announcement(s), not necessarily in this order:

- 6.2.1 "Attention all personnel; attention all personnel: an Alert has been declared. All members of the onsite emergency organization report to your designated emergency response facilities. All other personnel await further instructions."

NOTE: If a prior higher level classification had already existed, disregard the above and announce the following:

"Attention all personnel. The emergency condition has been downgraded to an Alert. I repeat, the emergency condition has been downgraded to an Alert."

- 6.2.2 If there is a localized emergency (e.g., fire), announce its type and location and instruct personnel to stand clear of this area.

NOTE: If the situation is radiological in nature, also announce that there is to be no eating, smoking, or drinking in or around this area.

6.3 Notify the following individuals:

- 6.3.1 Nuclear Security Supervisor
- 6.3.2 SAS Operator, if offsite support is needed for fires or medical emergencies.
- 6.3.3 Station Superintendent

NOTE: If downgrading from a prior emergency classification, the Station Superintendent and Key Emergency Response Personnel should be contacted via the communications channels between the emergency response facilities. In which case, the following methodology can be disregarded.

1. During normal working hours, the Station Superintendent should be reached over the Station gai-tronics or telephone or by utilizing his "beeper" pager in accordance with AD 1827.17, Emergency Call System. During off normal working hours, manually telephone his office and home using the numbers listed in Administrative Memorandum No. 37. If there is no answer, then attempt a page.

2. Upon being notified, the Station Superintendent shall then confer with the Shift Supervisor and ascertain the degree of response that may be necessitated by the plant event.

NOTE: If the Station Superintendent does NOT respond within five minutes, re-initiate the page. If he fails to respond to a second page, the Assistant Station Superintendent, Operations, should be contacted. If neither can be contacted, the Shift Supervisor should exercise his own judgement in dealing with the situation.

3. The Station Superintendent can then authorize the Shift Supervisor to tape an announcement on the Telephone Pager located in the Shift Supervisor's office.

NOTE: The announcement should include: 1) the Emergency Classification, 2) the level of response required and 3) a brief description of plant conditions.

6.3.4 Key Emergency Response Personnel

1. The Shift Supervisor or his designee shall then activate the pagers in accordance with AD 1827.17, Emergency Call System, of the key emergency response personnel as listed in Administrative Memorandum No. 37.
2. When paged (beeped), those individuals must telephone the Edison Operator who shall connect them with the Telephone Pager thus allowing them to hear the recorded message.
3. Those individuals shall then notify additional personnel as required to provide adequate response to the event by using Administrative Memorandum No. 37.

NOTE: The NRC resident inspector should be notified by telephone if possible.

6.4 Notify the following agencies:

NOTE: When notifying an outside agency, record the time and the name of the individual contacted using Attachment 2 and request a return telephone call from the agency to verify notification

6.4.1 Sheriff's Department, Ottawa County

This must be accomplished within 15 minutes of the emergency declaration. It can be performed using either the regular number or an unlisted number provided for emergencies (both found in Admin. Memo 37) or, if necessary, by radio through CAS or SAS.

NOTE: This notification should include your identification, the type of classification, the date and time it was made, and a brief description of the cause of the event.

6.4.2 NRC Region III, Office of Inspection and Enforcement; NRC, NRR, Emergency Incident Response Center, Bethesda, Maryland

This must be accomplished by the NRC Emergency Notification System - Red Phone or commercial phone within one hour of the emergency declaration.

6.5 Ensure that the following emergency response facilities are activated:

NOTE: If downgrading from a prior emergency classification, the following facilities should already be activated. In which case, the following steps can be disregarded.

6.5.1 The Operations Support Center as per EI 1300.06.

6.5.2 The Technical Support Center as per EI 1300.07.

6.5.3 The Emergency Control Center as per EI 1300.08.

6.6 Assess the situation by:

6.6.1 Increased surveillance of in-plant instrumentation.

6.6.2 The dispatching of shift personnel to the identified problem area for confirmation and visual assessment of the problem.

6.6.3 The dispatching of onsite RMT's as per AD 1850.05, Radiation Monitoring Team Surveys, if required to

monitor for possible releases and to provide confirmation of correct accident classification.

- 6.6.4 Surveillance (if a radiological accident is occurring) of the in-plant instrumentation necessary to obtain meteorological and radiological data required for calculating or estimating projected doses as per AD 1827.10, Offsite Dose Estimates. This dose assessment activity shall continue until termination of the emergency in order that the updating of initial assessments may be provided to all concerned offsite agencies and to the EDO.

NOTE: Additional information on personnel actions can be found in Attachment 1.

- 6.7 Review EI 1300.01, Emergency Plan Activation, when plant conditions change to determine if the event should be reclassified.

NOTE: If reclassification is not required but the change was somewhat significant or unusual, an update should be made and documented on the Periodic Update Record, Attachment 3.

- 6.8 Proceed to EI 1300.02 if the condition is downgraded to an Unusual Event. Note this on Attachment 2. Steps 6.9 and 6.10 can then be omitted.

- 6.9 Perform the following if the emergency situation is mitigated and completely declassified:

- 6.9.1 Make the following notifications:

1. To Station personnel over the Station public address system:

"Attention all personnel. The emergency situation has been terminated. I repeat, the emergency situation has been terminated."
2. The Station Superintendent and Key Emergency Response Personnel should be contacted via the communications channels between the emergency response facilities.
3. The Ottawa County Sheriff's Department via telephone using Administrative Memorandum No. 37.

NOTE: This notification should simply state your name, that you are calling from

DBNPS and that the emergency condition at Davis-Besse no longer exists and why (e.g., annunciator alarms and station computer operation has been restored). Again record the time and the name of the individual contacted on Attachment 2.

4. The NRC Incident Response Center via the NRC Emergency Notification System or Commercial phone.

6.9.2 Perform any necessary reentry actions as per EI 1300.10, Reentry.

6.9.3 Perform any necessary recovery actions as per EI 1300.11, Recovery.

6.10 Proceed to an alternate Implementing Procedure as per EI 1300.01, Emergency Plan Activation, if the emergency classification is upgraded.

7. FINAL CONDITIONS

- 7.1 The emergency condition has been downgraded to an Unusual Event classification.
- 7.2 The emergency condition no longer exists and actions are being taken as per either EI 1300.10, Reentry, or EI 1300.11, Recovery.
- 7.3 The emergency condition has been upgraded to a higher classification and actions are being taken as per either EI 1300.04, Site Area Emergency, or EI 1300.05, General Emergency.

8. ATTACHMENTS

The following are attachments for use with this procedure.

1. Personnel Actions During an Alert
2. EDO/Shift Supervisor Alert Checklist
3. Periodic Update Record

PERSONNEL ACTIONS DURING AN ALERTOn-call Emergency Duty Officer (EDO)

The on-call Emergency Duty Officer, upon being informed that an Alert has been declared, shall:

1. Report to the Emergency Control Center and assume the position of Emergency Duty Officer in the onsite emergency organization, relieving the Shift Supervisor of this duty.
2. Evaluate the information, data, and methods utilized by the Shift Supervisor in making his determination in order to ensure that the proper emergency classification has been made.
3. Determine to what extent the onsite emergency organizations shall be activated.

NOTE: For an Alert, the emergency teams shall be activated along with all or portions of the onsite emergency organization.

4. Perform the steps as outlined in EI 1300.08, Emergency Control Center Activation.

TSC Manager

The TSC Manager, upon being informed that an Alert has been declared, shall:

1. Report to the Technical Support Center and assume the role of TSC Manager in the onsite emergency organization.
2. Perform the steps as outlined in EI 1300.07, Technical Support Center Activation.

OSC Manager

The OSC Manager, upon being informed that an Alert has been declared, shall:

1. Report to the Operations Support Center and assume the position of OSC Manager in the onsite emergency organization.
2. Perform the steps as outlined in EI 1300.06, Operations Support Center Activation.

Plant Operations Manager

The Plant Operations Manager, upon being informed that an Alert has been declared, shall:

1. Report to the Control Room and assume the position of Plant Operations Manager in the onsite emergency organization.
2. Perform the steps as outlined in EI 1300.00, Station Response to Emergencies.

Operating Shift Crew

1. Control Room operators shall maintain safe operations on the Station and minimize the potential hazards to Station personnel and the general public as directed by the Shift Supervisor.
2. In the event that the Shift Supervisor is incapacitated, his duties and responsibilities shall be assumed by the Assistant Shift Supervisor in the Control Room until relieved by a qualified Shift Supervisor.
3. Equipment and auxiliaries operators shall maintain safe operations of the plant as directed by the Shift Supervisor.
4. The Shift Technical Advisor shall provide technical and analytical support in the diagnosis of off-normal events. He shall also advise and assist the Shift Supervisor on matters pertaining to the safe and proper operation of the plant with regards to nuclear safety.

Shift Chemistry and Radiation Test (C&RT)

1. The shift C&RT shall report immediately to the Health Physics Monitoring Room to await instructions from the Shift Supervisor or Chemist and Health Physicist.
2. The shift C&RT shall provide radiological monitoring for the Fire Brigade in the event of a fire in RACA.
3. The shift C&RT shall monitor all injured personnel before they leave the site. An off-shift C&RT shall accompany or meet any contaminated personnel at the offsite medical facilities.

Fire Brigade

1. The Fire Brigade Captain shall respond to any announced fire, evaluate the situation, direct the Fire Brigade, and keep the Shift Supervisor informed of the status of the fire.
2. Personnel assigned to the Fire Brigade shall respond to any announced fire with appropriate fire fighting and protective equipment and extinguish the fire as directed by the Fire Brigade Captain.
3. The first Fire Brigade Captain arriving on the scene should remain in charge of the fire until termination of the emergency or relieved by the Station Fire Chief or Assistant Fire Chief.

4. When local fire support is required within the Protected Area, local fire department personnel will function in conjunction with, and under the direction of the DBNPS Fire Brigade.

First Aid Team

1. The First Aid Team Leader shall respond to any announced personnel injuries, evaluate the situation, direct the First Aid Team and keep the Shift Supervisor informed of the status of the injured individual(s).
2. Personnel assigned to the First Aid Team shall respond to any announced personnel injury with appropriate first aid supplies and provide the necessary first aid treatment.

Nuclear Security Force

1. The Nuclear Security Supervisor, upon notification by the Shift Supervisor that an Alert Exists, shall implement the Industrial Security Plan Procedure, AD 1808.00.
2. Nuclear Security Officers shall maintain security of the Station as directed by the Nuclear Security Supervisor.

Radiation Monitoring Team (RMT)

1. All qualified non-chemistry and health physics RMT members will report to the turbine deck assembly area.
2. The OSC Manager will designate RMT members as to their assignment offsite or onsite.
 - a. A list of qualified RMT's is found in Administrative Memo 42.
 - b. Only one member of each team should be from the C&HP section.
3. If requested by the EDO, offsite RMT's will be dispatched to the Radiological Testing Laboratory (RTL) for further instructions.
4. RMT's responding from offsite will report to the RTL for further assignment.

Onsite Personnel

Onsite personnel, who do NOT have specifically assigned duties during an Alert, shall proceed according to the directions given by the Shift Supervisor over the Station public address system (Gai-tronics).

Offsite Station Personnel

1. Station personnel whose emergency response is at the station will be

admitted upon verbal communication with security. These personnel should report to their emergency assembly area (as designated by AD 1827.11) for assignment.

2. Station personnel whose emergency response is in the DBAB will report to their designated location.
3. Non-badged personnel will report to the location designated by this contact according to the severity of the emergency (ie DBAB, PPF, or ESC). Normal badging procedures will be utilized if it becomes necessary for these personnel to enter the station.

Offsite Agencies and Organizations

1. The Carroll Township Ambulance Service shall provide transportation service as required for offsite medical treatment.
2. The H.B. Magruder Memorial Hospital and St. Charles Hospital shall provide offsite medical treatment for personnel as required.
3. The Carroll Township Fire Department shall provide primary response to fire alarms onsite as required.
 - a. The Village of Oak Harbor Fire Department shall provide alternate response to fire alarms onsite as required through mutual aid with Carroll Township.
4. The Ottawa County Sheriff's Department is experienced in providing air control, communications assistance, and direct handling of the local population, including evacuation, should it become necessary. The Sheriff's Department provides 24 hour radio communication coverage with the Shift Supervisor at DBNPS and is the lead offsite governmental agency contacted in the event of an emergency at the site.

EDO/SHIFT SUPERVISOR ALERT CHECKLIST

<u>ACTION REQUIRED</u>	<u>DATE</u>	<u>ACTION COMPLETED</u>	
		<u>TIME</u>	<u>INITIALS</u>
1. Sound the appropriate alarm as per Step 6.1.	_____	_____	_____
NOTE: This need not be performed if downgrading from a higher classification.			
2. Notify plant personnel as per Step 6.2.	_____	_____	_____
3. Notify the following personnel"			
a. Nuclear Security Supervisor (Ext. 556 or 557)	_____	_____	_____
b. In the event of a fire or medical emergency, notify the SAS Operator who will notify the Ottawa County Sheriff's Department, who in turn notifies the appropriate response agencies.			
c. Station Superintendent (as per Step 6.3.2)	_____	_____	_____
d. Key Emergency Response Personnel (as per Steps 6.3.2 and 6.3.3)	_____	_____	_____
4. Notify the following agencies:			
a. Ottawa County Sheriff's Dept. (as per Step 6.4.1)	_____	_____	_____

NOTE: The initial notification should be made within 15 minutes of declaring the emergency. The initial notification message should include:

- Your name, _____, and that you are calling from the Davis-Besse Nuclear Power Station,
- The type of classification, Alert,
- The date, _____, and time, _____ am/pm it was made, and
- A brief description of the event (e.g., fire requiring offsite support, contaminated/injured person, etc.):

Record the name of individual contacted: _____

Then request a return (verification) telephone call.
Time received: _____ am/pm

ACTION REQUIREDDATETIMEINITIALS

NOTE: If downgrading from a prior classification, disregard the above initial notification message and instead provide the following information:

- a. Your name, _____, and that you are calling from the Davis-Besse Nuclear Power Station, .
- b. The classification has been downgraded to an Alert,
- c. The date, _____, and time, _____ am/pm it occurred, and
- d. A brief description of why: _____

Record _____ of the individual contacted:

- b. Nuclear Regulatory Commission _____

NOTE: The initial notification should be made within one hour of declaring the emergency. If the red phone is unavailable, make the call via commercial phones using the number listed in Administrative Memorandum No. 37.

Record the name of individual contacted: _____

5. Ensure that the TED emergency response facilities are activated as per Step 6.5 _____

NOTE: If downgrading from a prior emergency classification, these facilities should already be activated. In which case this step need not be performed.

6. Continue to assess the situation and ensure that personnel actions are in accordance with Section 6.6, as applicable. _____

7. As conditions change, check EI 1300.01 to determine if reclassification is appropriate. _____

NOTE: If reclassification is not required, but the change was somewhat significant or unusual, an update should be made and documented on the Periodic Update Record, Attachment 3.

<u>ACTION REQUIRED</u>	<u>DATE</u>	<u>TIME</u>	<u>INITIALS</u>
8. Proceed to EI 1300.02 if the condition is downgraded to an Unusual Event.	_____	_____	_____
9. If the emergency condition no longer exists:			
a. Notify plant personnel as per Step 6.7.1.a.	_____	_____	_____
b. Notify the Station Superintendent, as per Step 6.7.1.b.	_____	_____	_____
c. Notify the Ottawa County Sheriff's Department	_____	_____	_____

NOTE: The follow-up notification should state your name, _____, that you are calling from the Davis-Besse Nuclear Power Station, and that the emergency condition no longer exists, with a brief description why (e.g., the fire has been put out, etc):

Record the name of the individual contacted: _____

10. If the classification is upgraded, proceed to the next Implementing Procedure checklist, as per EI 1300.01.
- _____

REVIEWED BY _____
Station Superintendent

Date _____

FILED BY _____
Emergency Planning Supv.

Date _____

PERIODIC UPDATE RECORD

A periodic update was provided for:

a. TED personnel at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

b. NRC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

c. Ottawa County Sheriff/County EOC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

A periodic update was provided for:

a. TED personnel at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

b. NRC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

c. Ottawa County Sheriff/County EOC at _____ A.M./P.M. on _____
(time) (date)
concerning: _____

Name of individual contacted was _____

END

Attachment 3
Page 1 of 1

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.06

Operations Support Center Activation

Record of Approval and Changes

Prepared by G. J. Reed 5/30/80
Date

Submitted by C. E. Wells 6/13/80
Section Head Date

Recommended by B. B. Beyer 6/13/80
SRB Chairman Date

QA Approved N/A
Quality Assurance Manager Date

Approved by T. D. Murray 8/10/80
Station Superintendent Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	B. B. Beyer	1/21/81	NA		T. D. Murray	11/24/81
2	D. W. Brien	4/16/81	NA		T. D. Murray	4/27/81
3	T. D. Murray	10/19/82	NA		T. D. Murray	11/3/82
4	T. D. Murray	7/4/83	NA		T. D. Murray	7/15/83
5	T. D. Murray	11/10/83	NA		T. D. Murray	11/29/83

1. PURPOSE

To outline the steps required for activation and operation of the Operations Support Center (OSC).

2. REFERENCES

- 2.1 Davis-Besse Nuclear Power Station Emergency Plan
- 2.2 EI 1300.03, Alert
- 2.3 EI 1300.04, Site Area Emergency
- 2.4 EI 1300.05, General Emergency
- 2.5 EI 1300.12, Administrative Controls

3. DEFINITIONS

Operations Support Center (OSC) - An area in the Station in close proximity to the Control Room to which Station support personnel report and await instructions from the Shift Supervisor, Emergency Duty Officer or Station Operations Manager.

4. RESPONSIBILITIES

- 4.1 The OSC Manager shall be responsible for the implementation of this procedure.
- 4.2 The Shift Supervisor or Emergency Duty Officer shall be responsible for ensuring that the Operations Support Center is activated when necessary.

5. INITIATING CONDITIONS

- 5.1 Any of the following emergencies has been declared; Alert, Site Area Emergency or General Emergency.
- 5.2 As determined by the Shift Supervisor or Emergency Duty Officer.

6. PROCEDURAL STEPS

- 6.1 Set up the OSC (5th floor conference room and offices of the Station Office Building) to meet the needs of the emergency situation.

NOTE: Plant Staff, such as the operations engineering staff, clerical support, etc., who are NOT assigned to other emergency functions, shall (if in protected area) report to the Operations Support Center and be directed to respond as needed.

- 6.1.1 For an Alert, it may not be necessary to use all the offices, however, for a General Emergency, the entire floor can be used to house response activities. See Attachment 1 for a floor plan drawing of the OSC.
- 6.1.2 Evacuate personnel to an alternate OSC location in the event of hazards that prevent personnel from conducting OSC operations from this location.
- 6.2 Establish groups of personnel that can be used as emergency response team members.
- NOTE: Prior to activation of the OSC, on-shift response teams may have already responded to the emergency situation. Additional teams should be established, however, to back up or relieve those teams that have already been activated.
- 6.2.1 The following three groups should assemble immediately:
1. First Aid Team Members
 2. Fire Brigade Team Members
 3. Radiation Monitoring Team Members
- NOTE: The above teams are essential responders, however, in off-normal or severe events, other teams such as Search and Rescue and Emergency Maintenance should also be established.
- 6.2.2 Each group should have at least 2 dedicated members and even though some plant personnel are qualified for more than one group, they should NOT all leave the OSC to respond to one casualty and leave the other groups "short-handed" or unmanned.
- 6.3 Establish communications with the Control Room and other emergency facilities as necessary per the DENPS Emergency Plan Telephone Directory.
- 6.3.1 Assign personnel to maintain communications and administrative activities of the OSC.
- 6.3.2 Inform the Control Room that the OSC is manned and operational.
- 6.4 Provide, per request by the Shift Supervisor, Emergency Duty Officer or TSC Manager, the following:

- 6.4.1 Radiation Monitoring Support
 - 6.4.2 First Aid Support
 - 6.4.3 Fire Fighting Support
 - 6.4.4 Chemistry Support
 - 6.4.5 Health Physics Support
 - 6.4.6 Emergency Maintenance Support
 - 6.4.7 Communications Support
- 6.5 Ensure that if response teams are requested to be dispatched that they are briefed on their required actions.
- 6.5.1 Keep a record of the teams, as per Attachment 2, for accountability and to maintain coordination of the response effort.
 - 6.5.2 Briefings should include discussions on:
 - 1. Defining the specific task(s) of the team.
 - 2. Hazards or potential problems involved.

NOTE: If the hazard is radiological in nature, include a discussion of ALARA techniques (i.e., time, distance, shielding and respiratory protection that should be followed; issue TLD's and pocket dosimeters; and follow the radiation exposure guidelines of Attachment 3.
 - 3. Types of equipment to take.
 - 4. Communications method to be used and how frequent.
 - 5. Passage route to the task area, based on plant hazards and ALARA considerations.

NOTE: 1. Emergency equipment and supplies shall be used in accordance with appropriate instructions or as directed by the emergency team leaders. A list of typical radiation monitoring equipment that may be available is provided

in Attachment 4. This equipment is inventoried and maintained specifically for emergency use.

2. Interim emergency lighting will be supplied by flashlights located in the Emergency Medical Equipment Cabinet No. 1 located on the east wall of the turbine deck lunchroom.

6.5.3 Debriefing sessions should be held once a team returns, which should include discussions on:

1. Any injuries or excessive exposure.
2. Results of the task they were assigned to do.
3. Hazards or abnormal situations encountered (radiation levels).
4. Need for additional entries into the area.

6.6 Coordinate and direct maintenance and equipment modification activities in support of Station operation.

6.7 Keep the Plant Operations Manager informed of current plant conditions.

6.8 Coordinate with the Nuclear Security Force to ensure complete personnel accountability as per AD 1827.11, Assembly, Accountability and Subsequent Evacuation; and if persons are found missing, to initiate a search per AD 1827.16, Search and Rescue.

6.9 Maintain a record of activities of the OSC.

NOTE: All records should be forwarded to the Emergency Planning Supervisor following deactivation of the OSC.

6.10 Proceed to Ei 1300.10, Reentry, when the emergency has been declassified and the response effort has shifted to a reentry phase.

6.11 Deactivate the OSC when directed by the Emergency Duty Officer.

NOTE: The OSC Manager should request permission to deactivate at the completion of the reentry phase once all tasks assigned to the OSC have been completed and all response teams have been debriefed and accounted for.

- 6.11.1 Replace all emergency equipment and supplies to their specified storage locations.
- 6.11.2 Notify Chemistry and Health Physics Management that PT 5199.14, Emergency Supply Checklists, should be performed.
- 6.11.3 Update personnel radiation exposure records as per HP 1602.01, External Personnel Radiation Exposure Monitoring.

7. FINAL CONDITIONS

- 7.1 The entire OSC staff has been relieved of all duties associated with the operation of the OSC.
- 7.2 All records generated during the operation of the OSC have been forwarded to the Emergency Planning supervisor.
- 7.3 All equipment and still useable supplies have been returned to their normal storage location and C&HP management has been notified to reinventory per PT 5199.14.
- 7.4 All personnel exposure records have been updated.

8. ATTACHMENTS

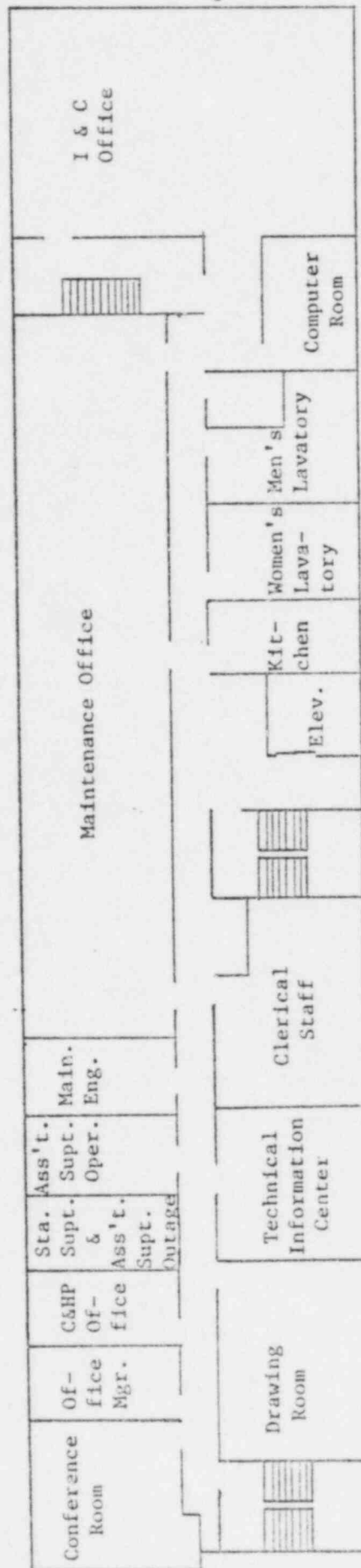
The following attachments for use with this procedure:

- 1. Operations Support Center Floor Plan
- 2. Emergency Response Team Assignment Sheet
- 3. Radiation Exposure Guidelines
- 4. Radiation Monitoring Equipment Lists

OFFICE BUILDING

ELEVATION

638'



EI 1300.06.5

DAVIS-BESSE NUCLEAR POWER STATION

OPERATIONS SUPPORT CENTER

Date: _____

EMERGENCY RESPONSE TEAM ASSIGNMENT SHEET

No.	Type*	Team Leader	Team Members	Plant Location	Time
_____	_____	_____	_____	_____	Out: _____ am/pm
_____	_____	_____	_____	_____	In: _____ am/pm
_____	_____	_____	_____	_____	

Briefing completed at: _____ am/pm Debriefing time: _____ am/pm

NOTES: _____

_____	_____	_____	_____	_____	Out: _____ am/pm
_____	_____	_____	_____	_____	In: _____ am/pm
_____	_____	_____	_____	_____	

Briefing completed at: _____ am/pm Debriefing time: _____ am/pm

NOTES: _____

_____	_____	_____	_____	_____	Out: _____ am/pm
_____	_____	_____	_____	_____	In: _____ am/pm
_____	_____	_____	_____	_____	

Briefing completed at: _____ am/pm Debriefing time: _____ am/pm

NOTES: _____

*Abbreviations: FBT-Fire Brigade Team, FAT-First Aid Team, EMT-Emergency Maintenance Team, RMT-Radiation Monitoring Team, SRT-Search and Rescue Team

Radiation Exposure Guidelines

Normal radiological job practices and a common sense approach to the Health Physics aspects for controlling exposure and contamination is a must during emergency situations. Key items to remember are:

- The proper use of protective clothing, respiratory equipment, and dosimeters as necessary.
- The controlled use of potentially contaminated tools.
- The use of permanent or portable shielding material.
- Limit the number of people in a radiation field to the minimum necessary to complete the job required.
- The use and abundance of REP's and warning signs.
- Maintain integrity of controlled access area and avoid hotspots and radiation areas whenever possible.
- Maintain exposure data for personnel; also maintain data for particular jobs as an experience factor in order to minimize future exposure on similar jobs.
- Cover broken skin.
- No eating, drinking, or smoking in radiation areas.
- The use of thyroid blocking agents when levels of I-131 become harmful.
- Ensure tanks and lines are flushed prior to work commencing on or in them.
- Conducting 'Dry Run' operations prior to actual job commencement.
- Limited occupancy times.

Emergency measures may warrant the acceptance of above-normal radiation exposures. Saving a life, measures to circumvent substantial exposures to population groups, or even preservation of valuable installations, may all be sufficient cause for above normal exposures. The following are the guidelines for these emergency activities:

1. ~~Rescuing~~ action 100 rem
2. Corrective action 24 rem

Personnel involved in any of the above actions must be volunteers.

The senior Toledo Edison Manager individual present shall authorize the above exposures and is responsible for maintaining exposures below these values. He shall seek advice from the Radcon Operations Manager (Chemist and Health Physicist) or members of the C&HP staff. He shall assure that measures are taken to minimize other exposures (such as internal exposure) during the conduct of emergency operations.

The Emergency Duty Officer and Radcon Operations Manager shall be notified of any planned or accidental short term exposures in excess of 12 rems whole body.

NOTE: Individuals receiving emergency or accidental exposures may be restricted from radiation work at the discretion of the Radcon Operations Manager. Personnel receiving short term exposures in excess of 12 rems whole body should require a medical examination.

All radiation exposure levels should be maintained as low as reasonably achievable (ALARA). The following are techniques that could be used to maintain exposure levels ALARA:

- Time
 - Spend the least amount of time possible in a radiation area.
- Distance
 - Maintain the maximum distance possible from a radiation source.
- Shielding
 - Make the maximum use of shielding, portable or fixed, that is reasonably possible.
- Protection Factor (P.F.)
 - When applicable, use respirators which give the maximum protection (Highest P.F.).
 - Make use of protective clothing when appropriate.

HEALTH PHYSICS MONITORING ROOM PROXIMITY
EQUIPMENT LIST

<u>Instrument</u>	<u>Model</u>	<u>Typical Number Available</u>
Survey Meter	R02 or 2A	3 ea.
Survey Meter	E400	2 ea.
Survey Meter	PAC 4G3	1 ea.
Survey Meter	PNR4 or Rascal	1 ea.
Survey Meter	E520	2 ea.
Hand and Foot Monitor		1 ea.
Survey Meter	RM 14	5 ea.

OTHER EQUIPMENT

Air Sampler	2 ea.
Dosimeter, 0-500 mR	50 ea.
TLD	50 ea.
Cartridge Respirator	40 ea.
Airline Respirator	40 ea.
Protective Clothing (Anti-C's)	>100 ea.

EMERGENCY RADIATION MONITORING LOCKER
EQUIPMENT LIST

LOCATION: 623' - Elevation, east side of Turbine Deck by entrance to the center stairway

Designated for the Control Room/Operations Support Center

Low volume air sampler
SAM-2 (Operation described in AD 1850.05)
*PIC-6
*E-400
Particulate and silver zeolite filters

*These instruments can be substituted with equivalent types.

END

Attachment 4
Page 1 of 1

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.07

Technical Support Center Activation

Record of Approval and Changes

Prepared by G. J. Reed 5/30/80
Date

Submitted by C. E. Wells 6/13/80
Section Head Date

Recommended by *[Signature]* 6/13/80
SRB Chairman Date

QA Approved N/A
Quality Assurance Manager Date

Approved by *[Signature]* 8/18/80
Station Superintendent Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	<i>[Signature]</i>	1/21/81	NA		<i>[Signature]</i>	1/20/81
2	<i>[Signature]</i>	6/22/82	NA		<i>[Signature]</i>	7/2/82
3	<i>[Signature]</i>	12/15/82	NA		<i>[Signature]</i>	11/6/83
4	<i>[Signature]</i>	3/22/83	NA		<i>[Signature]</i>	4/7/83
5	<i>[Signature]</i>	11/10/83	NA		<i>[Signature]</i>	11/30/83

1. PURPOSE

To outline the steps required for activation and operation of the Technical Support Center (TSC).

2. REFERENCES

- 2.1 Davis-Besse Nuclear Power Station Emergency Plan
- 2.2 EI 1300.03, Alert
- 2.3 EI 1300.04, Site Area Emergency
- 2.4 EI 1300.05, General Emergency

2. DEFINITIONS

Technical Support Center (TSC) - An area onsite which has the capability to display and transmit plant status information to the individuals who are knowledgeable of and responsible for engineering and management support of reactor operations in the event of an emergency situation.

4. RESPONSIBILITIES

- 4.1 The TSC Manager shall be responsible for the implementation of this procedure.
- 4.2 The Station Operations Manager shall oversee the activities of the Technical Support Center and provide direction and guidance for the Station staff and Onsite Assessment Team.

NOTE: The Station Operations Manager is responsible for keeping the Operations Director informed of plant status and accident assessment.

5. INITIATING CONDITIONS

- 5.1 Any of the following emergencies has been declared; Alert, Site Area Emergency, or General Emergency.
- 5.2 As determined by the Shift Supervisor or Emergency Duty Officer.

6. PROCEDURAL STEPS

- 6.1 Ensure that the following individuals have been notified to report to the TSC:
 - 6.1.1 Station Operations Manager
 - 6.1.2 Technical Engineer

- 6.1.3 Instrumentation and Control Systems Engineer
 - 6.1.4 Nuclear Systems and Analysis Engineer
 - 6.1.5 Radcon Operations Manager
 - 6.1.6 Chemical Engineering Supervisor
 - 6.1.7 Nuclear Facility Engineering Director
 - 6.1.8 Electrical Engineering Supervisor
- 6.2 Set up the TSC (1st Floor north end of the Davis-Besse Administrative Building) as shown in Attachment 1.

NOTE: This may be modified, if equipment locations or work areas are found to be unsatisfactory.

- 6.3 Energize or make ready all emergency equipment in the TSC, including:

- 6.3.1 Closed Circuit Television (CCTV)
- 6.3.2 Data Acquisition and Display System (DADS)
- 6.3.3 Overhead Monitors
- 6.3.4 Radio Console

NOTE: Instructions for equipment operation is located by each piece of equipment.

- 6.4 Assign an individual(s) to distribute manuals, drawings, equipment or manuals, drawings, equipment or other items as listed in Attachment 2.
- 6.5 Establish the Technical Data Loop, or "punch in" on it if it has already been established, and request emergency conditions turnover information as per Attachment 3.

NOTE: Review the turnover information with all personnel in the TSC.

- 6.5.1 Establish the other communications loops as needed per the DBNPS Emergency Plan Telephone Directory:
- 1. Technical Management Loop
 - 2. Policy Management Loop
 - 3. Public Relations Loop

- 6.5.2 Refer to Administrative Memorandum No. 37, Attachment 2, for additional TSC Support Personnel/Communicators.
- 6.5.3 Inform the Control Room that the TSC is manned and operational.
- 6.6 Direct the engineering assessment activities of the TSC.
 - 6.6.1 Coordinate any engineering assessment activities of engineering support personnel from the NSSS vendor and the Architect Engineer. Contact should be made and support requested as required from the following organizations.
 - 1. Babcock and Wilcox Company (Admin Memo No. 37)
 - 2. Bechtel Power Corporation (INPO Emergency Resources Manual)
 - 6.6.2 Ensure that adequate mechanical, electrical, instrumentation and control, and technical engineers are available to perform engineering assessment, as required.
 - 6.6.3 Ensure that all dose projection calculation activities of AD 1827.10, Offsite Dose Estimates, have been assumed from the Control Room staff.

NOTE: If the ECC has not been activated, call the Control Room and assist the Shift Supervisor by performing these calculations until the ECC becomes operational.
 - 6.6.4 Ensure that adequate support personnel are available to assist in records disposition, updating status boards, and providing communications to the Control Room and Nuclear Regulatory Commission, as necessary.

NOTE: If additional personnel are needed beyond those of Step 6.5.2 above, requests should be directed to the Operations Support Center of the Emergency Planning Supervisor.
- 6.7 Keep the Station Operations Manager informed of engineering assessment activities, equipment operation problems and any alterations in the normal lineup or operation of plant systems.
- 6.8 Utilize the Technical Engineer for coordinating and performing plant assessment activities, including:
 - 6.8.1 Operating the Data Acquisition and Display System

(DADS) terminals in the TSC to provide sufficient plant data for personnel to evaluate and diagnose plant conditions.

NOTE: The DADS can monitor plant transients during and following most events expected to occur during the life of the station.

6.8.2 Coordinating the assessment activities of the Technical Engineering staff.

6.9 Utilize the Radcon Operations Manager to direct radiological assessment activities during the initial stages of an emergency and to coordinate the radioactive waste and radiological controls aspects of the recovery including:

6.9.1 Keeping the Plant Operations Manager and Emergency Duty Officer informed of radcon and radwaste activities pursuant to the emergency.

6.9.2 Coordinating the activities of the Health Physics Monitoring Room portion of the Operations Support Center.

6.9.3 Relaying health physics information over the NRC Health Physics Network phone.

6.9.4 Supervising the onsite radiation surveys and survey results analysis.

6.9.5 Assuring that TSC and ECC radiological monitoring is accomplished in accordance with AD 1850.06, Radiation, Contamination and Airborne Radioactivity Monitoring during emergencies at the DBAB.

6.10 Access the condition of the reactor and essential safety-related systems to assure necessary steps are taken for protection of Station personnel and the public.

NOTE: Plant conditions requiring protective actions should be discussed with the Emergency Duty Officer for implementation.

6.11 Analyze plant conditions to determine reactor core status.

6.12 Ensure that directives issued to the Control Room are assessed for potential adverse consequences before issuance - this includes all offsite directives from government or company management organizations.

- 6.12.1 Directives to the Control Room should be done verbally as long as there is mutual agreement to all parties that the correct action is being taken.
- 6.12.2 If a disagreement occurs between the Control Room and the TSC, a written directive from the TSC should be forwarded to the Control Room signed by the TSC Manager or Station Operations Manager.
- 6.13 Perform measures to activate an alternate TSC if the normal TSC becomes uninhabitable for any reason.
- NOTE: No more than three (3) persons assigned to technical support will be dispatched to the Control Room. The balance of the technical support staff (including vendor, TED and NRC personnel) will be located at a suitable position as close to the Control Room onsite as possible. Communications will be established by telephone, messenger, telecopier, etc. between technical support personnel and the Control Room. Also, communications will be established at least by telephone or messenger between the relocated TSC and the ECC.
- 6.14 Maintain a record of activities of the TSC.
- NOTE: All records should be forwarded to the Emergency Planning Supervisor following deactivation of the TSC.
- 6.15 Deactivate the TSC when directed by the Emergency Duty Officer.
- NOTE: A joint concurrence for deactivation by the TSC Manager, Station Operations Manager, Shift Supervisor, and Emergency Duty Officer should be reached when the continuous technical assessment and advisory functions are no longer necessary to respond to the indicated plant conditions.
- 6.15.1 Replace all equipment and supplies to their specified storage locations.
- 6.15.2 De-energize electrical equipment as required.

7. FINAL CONDITIONS

- 7.1 The entire TSC staff has been relieved of all duties associated with the operation of the TSC.

7.2 All records generated during the operation of the TSC have been forwarded to the Emergency Planning supervisor.

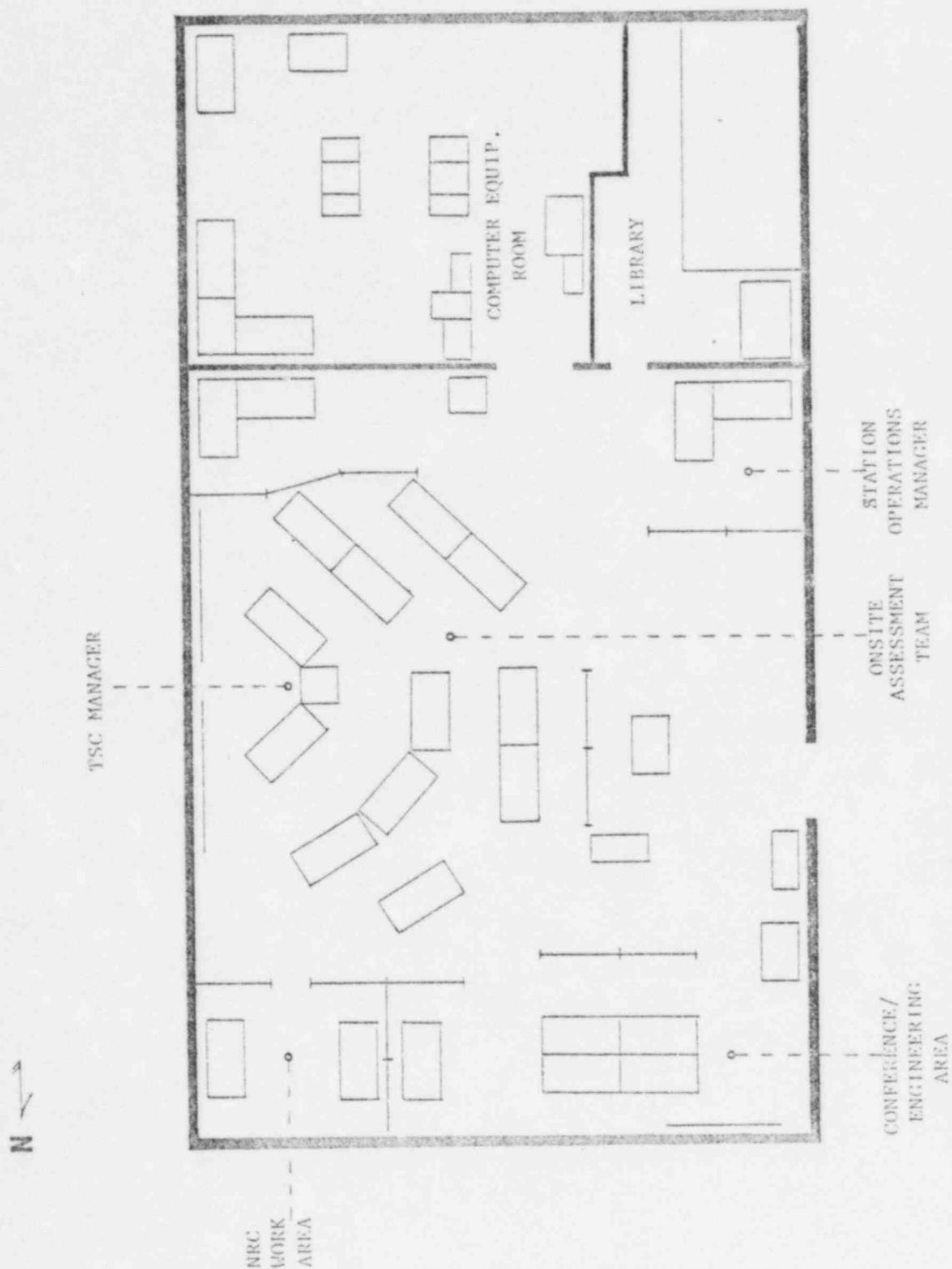
7.3 All equipment and still useable supplies have been returned to their normal storage location.

8. ATTACHMENTS

The following are attachments for use with this procedure:

1. Technical Support Center Floor Plan
2. Technical Support Center Equipment List
3. Emergency Conditions Turnover Data Sheet

DAVIS-BESSE NUCLEAR POWER STATION

TECHNICAL SUPPORT CENTER

Technical Support Center
Equipment List

5 |

<u>Location</u>	<u>Item</u>	<u>Quantity</u>
TSC Library	Log Book	1 ea.
	E-Plan, Supporting & Implementing Proc.	1 ea.
	State of Ohio Emergency Plan	1 ea.
	FSAR	1 ea.
	USAR	1 ea.
	Admin. Manual (Vol 1, 2, 3)	1 ea.
	Tech. Specs.	1 ea.
	Rad. Prot. Manual	1 ea.
	Drawing Change Notice (DCN) Log	1 ea.
	TI-59 Calculator	2 ea.
	Emergency Plan Telephone Directories	5 ea.
	Telephone Headsets	4 ea.
	TI-55 Calculator	7 ea.
	Station Procedures (as Designated by the Tech. Engineer)	

List of Drawings In TSC Library

<u>Electrical</u>	<u>Mechanical</u>
E-1 thru E-104	M-001 thru M-196
	M-580A, B, C
	M-581A - G
	M-589
	M-592
	M-101FW
E-1 thru E-104	M-102FW
E-10A	M-103FW
E-11A	M-104FW
E-12B E-39B	M-105FW
E-13B E-40B	M-106FW
E-14B E-42B	M-107FW
E-15 E-44B	M-108FW
E-17B E-45B	E-58B
E-19B E-46B	E-60B
E-30B E-48B	E-62B
E-31B E-49B	E-63B
E-32B E-50B	E-64B
E-34B E-52B	E-65B
E-36B E-54B	
E-37B E-56B	
E-38B	

EMERGENCY CONDITIONS TURNOVER SHEET

Emergency Classification: Unusual Event Site Area Emergency
 Alert General Emergency
 (circle one)

Event Description: _____

Time Event Started: _____

Primary Plant Condition:

Mode: 1 2 3 4 5 6
(circle one)

Electrical System: _____
 Description of any abnormal lineup

<u>Yes</u> <u>No</u>	<u>Yes</u> <u>No</u>	<u>Yes</u> <u>No</u>
DG 1 Operating	DG 2 Operating	Off-Site Power Avail.

Major Equipment Problems: _____

Major Instrumentation
Problems: _____

Major Electrical Problems: _____

END

Attachment 3
Page 1 of 1

Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.11

Recovery

Record of Approval and Changes

Prepared by	G. J. Reed	5/30/80
		Date
Submitted by	C. E. Wells	6/13/80
	Section Head	Date
Recommended by	<i>[Signature]</i>	6/13/80
	SRB Chairman	Date
QA Approved	N/A	
	Quality Assurance Manager	Date
Approved by	<i>[Signature]</i>	8/18/80
	Station Superintendent	Date

Revision No.	SRB Recommendation	Date	QA Approved	Date	Sta. Supt. Approved	Date
1	<i>Stephen M. [Signature]</i>	7/21/82	NA		<i>[Signature]</i>	8/6/82
2	<i>Stephen M. [Signature]</i>	11/10/83	N/A		<i>[Signature]</i>	11/29/83

1. PURPOSE

To provide guidelines for recovery actions necessary to restore the plant to its pre-emergency status, modified pre-emergency status capable of power operations, or to a decommissioning status.

2. REFERENCES

2.1 Davis-Besse Nuclear Power Station Emergency Plan

2.2 TED Corporate Radiological Emergency Response (CRER) Plan

3. DEFINITIONS

Recovery Actions - Those actions taken after an emergency to restore the Station as nearly as possible to preemergency conditions.

4. RESPONSIBILITIES

4.1 The Shift Supervisor shall be responsible for the implementation of this procedure if the Unusual Event classification was the only level declared for the emergency.

4.2 The Recovery Manager shall be responsible for the implementation of this procedure if the classification of the emergency was an Alert level or higher.

NOTE: The actual magnitude of event recovery will dictate the extent of personnel involvement in the recovery operation.

1. For events of a minor nature, the normal on-shift organization should be adequate to perform necessary recovery actions (i.e., for Unusual Event classifications)
2. For events involving significant damage to plant systems required to maintain operation of the plant, the on-site emergency organization should be adequate to coordinate the necessary recovery actions (i.e., for Alert classifications.)
3. For events involving damage to plant systems required to maintain safe shutdown of the reactor the corporate emergency organization should be adequate to manage the necessary recover actions (i.e., for Site Area or General Emergency classifications).

4.3 The Station Operations Manager, under the direction of the Operations Director, shall be responsible at the site for authorizing the start of recovery and restoration activities; and the return to normal operations.

- 4.4 The Recovery Manager, under the direction of the Engineering Support Director, shall be responsible for coordinating and managing the implementation of recovery and restoration activities.

5. INITIATING CONDITIONS

- 5.1 The plants emergency status has been de-classified below the Unusual Event level.
- 5.2 As determined by the Station Operations Manager.

6. PROCEDURAL STEPS

- 6.1 Ensure that the following plant conditions exist:
- 6.1.1 The plant is in a shutdown condition with adequate core cooling.
 - 6.1.2 In-plant radiation levels are stable and decreasing with time.
 - 6.1.3 The release of radioactive material to the environment is controlled and there is no significant potential for additional uncontrolled releases.
 - 6.1.4 Fire, flooding, or similar emergencies are under control.
- 6.2 Direct that any minor recovery actions be handled through normal maintenance work requests.
- 6.2.1 Repair work and approve procedure modifications shall be carried out as required by existing procedures.
 - 6.2.2 Reports on the cause and reparation of the event shall be made as required by existing station or regulatory procedures (i.e., licensee event report or deviation reports, etc.).
- 6.3 Ensure that any major long term recovery actions are performed as per a Recovery Plan.
- 6.3.1 The Engineering Support Director shall authorize the development of a Recovery Plan by the Recovery Manager as per Section 3.0 of the Corporate Radiological Emergency Response Plan.
 - 6.3.2 A long-term recovery organization shall be established to coordinate all recovery operations.

NOTE: The following steps of this procedure apply only to those emergencies that exceed the Unusual Event level, thus they can be disregarded by the Shift Supervisor.

- 6.4 Conduct a systematic investigation to determine the equipment that has been damaged and the extent of the damage.
- 6.5 Perform a detailed investigation of the accident causes and consequences both to the plant and the environment.
- 6.6 Determine the repair work required to perform necessary modifications to plant equipment and/or operating procedures.

NOTE: Repair work and approved modifications shall be carried out as required by existing or prepared procedures. Particular attention shall be directed towards isolating components and systems as required to control or minimize the hazards.

- 6.7 Ensure that normal limits of occupational exposure are applied during the recovery, since no emergency is considered to exist.

NOTE:

- 1. Compliance with the limits shall be the responsibility of the Recovery Manager through the Radcon Operations Manager.
- 2. Recovery operations that may result in the release of radioactive materials shall be evaluated by the Recovery Manager and Emergency Duty Officer, and their staff as far in advance as possible.

- 6.8 Review all procedures developed during the emergency for close out, deletion or incorporation into the permanent station procedures listing.

NOTE:

- 1. Any procedural waivers granted during the emergency phase shall be either terminated or documented through appropriate procedural modifications.
- 2. It may be necessary to develop special procedures for recovery activities, including procedures for decontamination and repair; installation and operation of backup systems; inspections and tests necessary to assure plant integrity and adequate repairs; waste handling and processing; and ALARA considerations; will be developed and implemented.

- 6.9 Ensure that to the extent possible, applicable limiting conditions for operation and surveillance requirements of the plant Technical Specifications are complied with.

NOTE: For those conditions and surveillances in which compliance is impractical, the NRC shall be informed and consulted with regarding safety implications of continued operation in that mode.

- 6.10 Ensure that any discharges are controlled as per plant and regulatory limits (e.g., National Pollution Discharge Elimination System permit).
- 6.11 Notify applicable offsite agencies of recovery organization and activity changes, and subsequently of its termination.
- 6.12 Coordinate any necessary restoration activities to prepare for resumption of full power operation, including:
- 6.12.1 Disposal of all waste generated during the emergency and recovery phases.
 - 6.12.2 Elimination of potential effects of the emergency on future plant operations.
 - 6.12.3 Training of plant operations, Shift Technical Advisors, and other applicable individuals on changes that occurred to the plant during the emergency outage.
 - 6.12.4 Replenishment of any emergency equipment or consumable materials.

NOTE: If recovery and restoration efforts cannot restore the plant to an operable status, a decommissioning organization shall be established to shutdown the plant to a safe long-term condition.

7. FINAL CONDITIONS

A recovery organization has restored the plant to its pre-emergency status, to a modified pre-emergency status capable of power operations, or to a decommissioning status.

8. ATTACHMENTS

None

END