Davis-Besse Nuclear Power Station

Unit No. 1

Emergency Plan Implementing Procedure EI 1300.07

Technical Support Center Activation

Record of Approval and Changes

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Recommended by [signature] (SRB Chairman) — 6/13/80 (Date)

QA Approved N/A (Quality Assurance Manager) — (Date)

Approved by [signature] (Station Superintendent) — 8/18/80 (Date)

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1	[signature]	1/21/81	NA		[signature]	4/20/81
2	[signature]	6/22/82	NA		[signature]	7/2/82
3	[signature]	12/15/82	NA		[signature]	11/6/83

1. PURPOSE

To outline the personnel required for activation of the Technical Support Center (TSC) and their responsibilities and actions during an emergency at Davis-Besse Nuclear Power Station.

2. SCOPE

Describe the actions of personnel assigned to the TSC when the the need for its activation has been determined.

3. REFERENCES

3.1	Davis-Besse Nuclear Power Station Emergency Plan	
3.2	Davis-Besse Nuclear Power Station Emergency Plan Telephone Directory	
3.3	Station Response to Emergencies	EI 1300.00
3.4	Unusual Event	EI 1300.02
3.5	Alert	EI 1300.03
3.6	Site Emergency	EI 1300.04
3.7	General Emergency	EI 1300.05
3.8	Administrative Controls	EI 1300.12

4. DEFINITION

4.1 Technical Support Center (TSC) - An area onsite in close proximity to the Control Room 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.

5. ACTIONS

2 5.1 The Technical Support Center is located at the Davis-Besse site, along Ohio State Route #2, in the Davis-Besse Administration Building. The primary function of the TSC is to house and support an organization that provides management and technical assistance to the Station operations personnel during emergency conditions and to prevent or mitigate the consequences of abnormal plant conditions. The TSC provides direct voice and data communication with the Control Room and serves as a primary communications

5.4.6 The Station Operations Manager may establish the following telephone communications loops as needed per the DBNPS Emergency Plan Telephone Directory:

a. Technical Data Loop

b. Technical Management Loop

c. Policy Management Loop

d. Public Relations Loop

NOTE: If personnel are required as communicators, requests should be directed to the Operations Support Center.

5.4.7 The Station Operations Manager should assign an individual(s) to distribute applicable emergency equipment listed in Attachment 1, (ie. log book, telephone books, and calculators). 3

5.4.8 Upon arrival, the Onsite Assessment Manager will assume control of the TSC from the Station Operations Manager.

5.5 Onsite Assessment Manager

5.5.1 The primary Onsite Assessment Manager is the Nuclear Engineering Manger.

5.5.2 The alternate Onsite Assessment Manager is the Plant Nuclear Systems Engineer.

5.5.3 The Onsite Assessment Manager, upon being informed that an Alert level emergency exist, shall proceed to the Technical Support Center (TSC).

5.5.4 The Onsite Assessment Manager's responsibilities and duties include, but are NOT limited to:

a. Directing the engineering assessment activities of the TSC.

b. Coordinating the engineering assessment activities of engineering support personnel from the NSSS vendor and the Architect Engineer.

c. Ensuring that adequate mechanical, electrical, instrumentation and control, and technical

5.7.2 The alternate Radcon Operations Manager is the Chemical and Radiation Protection Engineer.

5.7.3 The Radcon Operations Manager directs and coordinates the radioactive waste and radiological controls aspects of Emergency Operations and keeps the Plant Operations Manager informed of radwaste and radcon activities pursuant to the emergency.

5.7.4 The Radcon Operations Manager is responsible for coordinating the activities of the Health Physics Monitoring Room portion of the Operations Support Center, however he may do this from his office located in the Technical Support Center. He is also responsible for relaying health physics information over the NRC Health Physics Network phone which is located there.

5.7.5 The Radcon Operations Manager shall supervise the onsite radiation surveys and survey results analysis.

5.8 Plant Staff

2 5.8.1 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 the TSC as needed.

5.8.2 The Technical Engineering staff who are not assigned other emergency functions, shall report directly to the TSC.

5.8.3 The Plant Staff shall assist in accident assessment, as required.

5.9 Technical Support Center Activity

5.9.1 Communications with the Control Room, Emergency Support Center, Operations Support Center, Emergency Control Center, and the NRC will be established as specified by the Onsite Assessment Manager or the Station Operations Manager.

2 a. The Data Acquisition and Display System (DADS) terminals in the TSC will provide sufficient station information and data communication for

5.9.6 A record of activities of the TSC shall be maintained to the best ability of personnel present. Record disposition shall be in accordance with EI 1300.12, Administrative Controls.

5.9.7 The decision to deactivate the TSC shall be made by joint concurrence of the Onsite Assessment Manager, Station Operations Manager, Shift Supervisor and other key plant personnel once accident recovery has reached a point where continuous technical assessment and advisory functions are no longer necessary to mitigate the consequences of plant conditions.

5.10 Procedure for Activation of the Alternate TSC

5.10.1 The Onsite Assessment Manager will direct the activation of an alternate TSC if the normal TSC becomes uninhabitable for any reason.

5.10.2 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 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.

Containment Radiation Plot

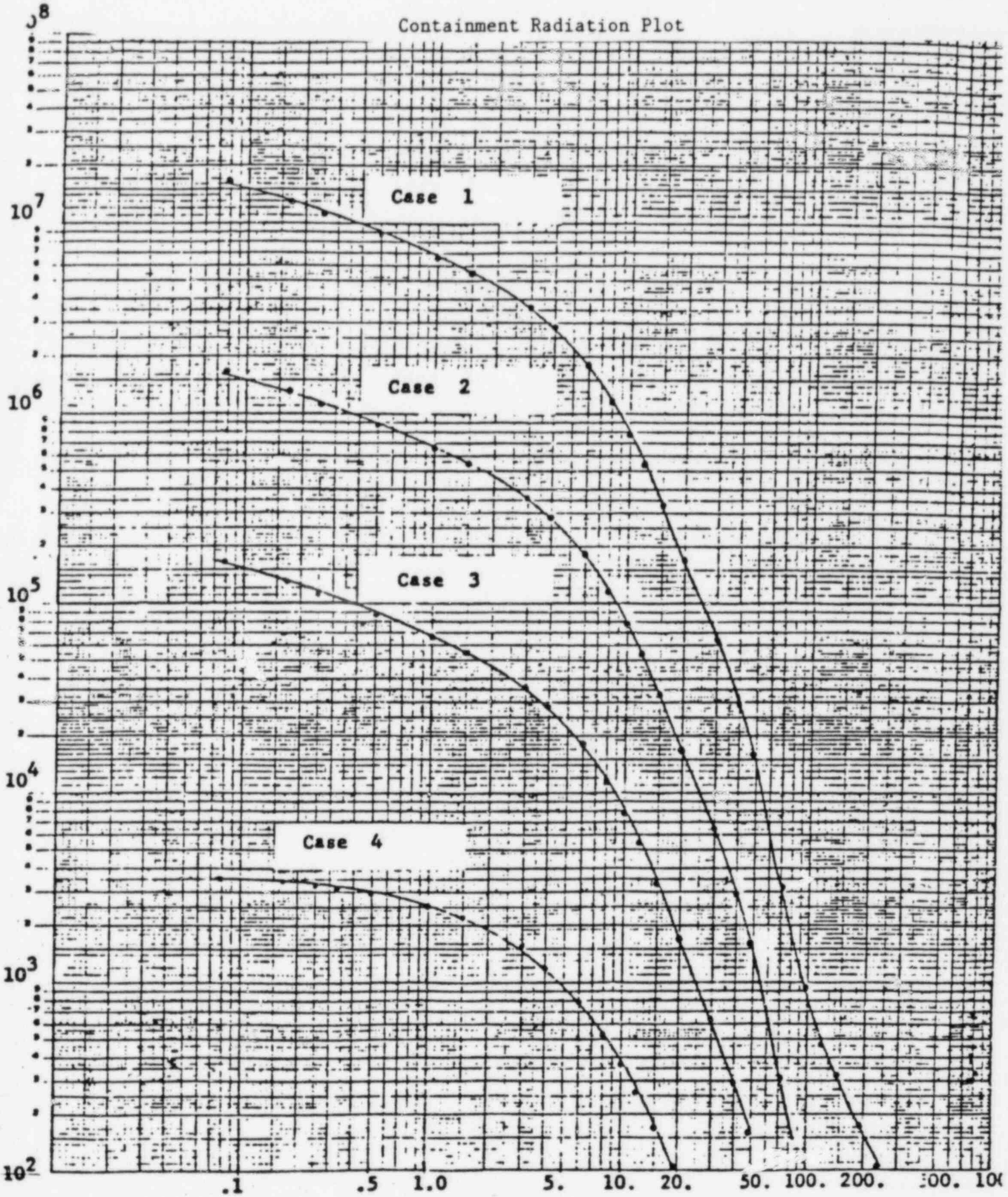

Table 1

Percent of Fuel Iventory Airborne in the Containment vs.

Approximate Source and Damage Estimate

Case No.	% Fuel* Inventory Released	Approximate Source and Damage Estimate
1	100	100% Regulatory Guide 1.4, 100% Fuel Damage, potential core melt
2	10	10% Regulatory Guide 1.4, (or 100% NRC Gap Activity, Regulatory Guide 1.25), total clad failures, core partially uncovered
3	1	1% Regulatory Guide 1.4 (or 10% NRC Gap Activity), approximately 10% clad failure
4	-	100% coolant release

*100% Fuel Inventory = 100% Noble Gas

END