



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

August 9, 2000

10 CFR 50,
Appendix E
Section V

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)	Docket Nos.	50-259	50-390
Tennessee Valley Authority)		50-260	50-391
			50-296	50-327
				50-328

TVA CENTRAL EMERGENCY CONTROL CENTER (CECC) - EMERGENCY PLAN
IMPLEMENTING PROCEDURE (EPIP) REVISIONS

In accordance with the requirements of 10 CFR Part 50, Appendix E, Section V, enclosed are copies of the Effective Page Listing and revisions to CECC EIPs.

PROCEDURE		EFFECTIVE DATE
EPIP	EPL	8/4/00
EPIP-12	Rev. 15	8/4/00

The enclosed information is being sent by certified mail. The signed receipt signifies that you have received this information and will be taken as verification that the NRC copies of the plan have been updated, and the superseded material has been destroyed.

A045

U.S. Nuclear Regulatory Commission
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August 9, 2000

If you have any questions, please contact Terry Knuettel at
(423) 751-6673.

Sincerely,



^{KA} Mark J. Burzynski
Manager
Nuclear Licensing

Enclosures

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NRC Senior Resident Inspector [Enclosures provided
Sequoyah Nuclear Plant by site DCRM]
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NRC Senior Resident Inspector [No enclosures, by request
Watts Bar Nuclear Plant of site resident]
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Spring City, Tennessee 37381

TENNESSEE VALLEY AUTHORITY
 CENTRAL EMERGENCY CONTROL CENTER EMERGENCY PLAN
 IMPLEMENTING PROCEDURES
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CECC-EPIP-12
EP FIELD SUPPORT STAFF
RADIOLOGICAL EMERGENCY PROCEDURE

REVISION LOG

Rev. No.	Date	Revised Pages
0	3/22/88	All (Changed from IPD to EPIP)
1	04/26/89	All
2	07/02/90	App. B, C, D, and E
3	05/21/91	1, 2, & 3; App. A, Pg. 1, App. B, Pg. 1, App. G, Pg. 1
4	11/25/92	App. C, Pg. 1; App. D, Pg. 1; App. E, Pg. 1
5	05/13/93	1, 3, 5, 6; App. E, Pg. 1. All pages issued to maintain rev. level.
6	06/24/95	Pgs. 1-7; App. C; App. D; App. E; App. F; & App. G. All pages issued.
7	6/27/95	Pgs. 2 & 3; App. D, pgs. 1 & 2. All pages issued.
8	5/30/96	Pgs. 1-13; annual review, delete information contained in App. C, D, and E because it is contained in EPIP-10. All pages issued.
9	4/7/97	Annual review, editorial changes, add note to Appendix B to forward copy to David Pond. All pages issued.
10	8/8/97	Change reference CECC-EPIP-10 to CECC-EPIP-8. All pages issued.
11	6/9/98 6/4/98 RR	Annual review. Revised procedure to match organization responsibility due to reorganization. EDS support activated moved to CECC-EPIP-17. All pages issued.
12	7/7/98	Update location for Browns Ferry Equipment. Editorial changes. Add equipment operational checks. All pages issued.
13	10/6/98	Update to indicate organization and title changes. Editorial changes to clarify duties under new organization. All pages issued.
14	8/20/99	Revise Radiological Emergency Response Equipment list. Re-label Appendixes B and C as Appendixes A and B. Editorial changes. All pages issued.
15	8/4/00	Annual review. Editorial changes, new location for BFN SIM office, indicate new packaging for KI.

EP FIELD SUPPORT STAFF RADIOLOGICAL EMERGENCY PROCEDURE

1.0 PURPOSE

This procedure is designed to direct the field support staff in support of the CECC in mitigating the effects of a radiological emergency at TVA nuclear plants on the resources of the Tennessee Valley region.

2.0 SCOPE

This procedure covers anticipated requirements of the field support staff in its support of the CECC during a radiological emergency at TVA nuclear plants. This procedure also covers actions that may be taken subsequent to an emergency.

3.0 REFERENCES

3.1 CECC EPIP-8

3.2 CECC EPIP-9

4.0 ABBREVIATIONS AND DEFINITIONS

CECC - Central Emergency Control Center
EA - Environs Assessment

*

Field Coordinator - The member of the CECC staff responsible for directing the near site emergency radiological monitoring personnel in accordance with the directions issued by EA. (TVAN personnel)

PSCDB - Power Service Center Display Building
REND - Radiological Emergency Notification Directory
TVAN - TVA Nuclear

5.0 RESPONSIBILITIES

5.1 Upon notification from the CECC Director or his designee that an emergency condition exists and the CECC is being staffed, the EA is responsible for the following:

5.1.1 Providing technical advice on matters related to the collection of water samples.

5.1.2 Activating a Field Team Leader or placing on standby in accordance with TVAN's Fitness For Duty Program (Fitness For Duty form provided in Appendix B). Personnel shall be contacted from those listed in the REND.

5.2 Upon notification from the EA that an emergency condition exists, the EP Field Team Leader is responsible for the following:

5.2.1 Recruiting a field team from personnel listed in the REND and securing the necessary equipment and making sure it is ready for use.

5.2.2 Directing the field team once it is in the field as directed by the Field Coordinator or Environs
*Assessor depending on the level of facility activation.

*Revision

5.2.3 Ensuring that the field team works safely and is properly protected from hazards, radiological or other.

6.0 PROCEDURAL REQUIREMENTS

6.1 Initial Notification

6.1.1 Upon arrival at the CECC, the EA contacts the EP Field Team Leader, informs them of the status of the emergency, and directs the EP Field Team Leader to report for duty or to stand by depending on the situation.

6.1.2 Activation of an EP Field Team Leader for Browns Ferry, Sequoyah, and Watts Bar Nuclear Plants, shall be accomplished by calling the telephone number of the appropriate personnel listed in the REND.

6.2 Implementation Procedures

6.2.1 After completion of the initial notification procedures specified in 6.1, the EA:

6.2.1.1 Records pertinent information in the EA log book.

6.2.1.2 Schedules and notifies emergency personnel required to provide field teams on a 24-hour basis for sampling and other support as needed.

6.2.1.3 Keeps fully informed of the events related to the emergency and relays pertinent information to personnel (i.e., EP Field Team Leader) on standby.

6.2.2 Upon being notified that an emergency condition exists and being directed to report for duty, the EP Field Team Leader will:

6.2.2.1 Report to the PSCDB at Chickamauga Dam for Sequoyah and Watts Bar Nuclear Plants or *to the SIM Field Office at Browns Ferry Nuclear Plant as soon as possible and contacts the EA to inform him that he is in position.

6.2.2.2 Ensure that personnel, boats, vehicles, safety equipment, maps, and other equipment are ready for use.

6.2.2.3 Advise the EA when all equipment and manpower are ready.

6.2.3 Upon being notified that an emergency condition exists and being directed to report for duty, the field crew:

* 6.2.3.1 Upon arrival at the PSCDB or the BFN SIM Field Office, collects and loads appropriate *equipment listed in Appendix A.

*Revision

- * 6.2.3.2 As directed by the EA through the EP Field Team Leader, report to the Field Coordinator located at the Radiological Monitoring Control Center.
- 6.2.3.3 Under the leadership of the EP Field Team Leader and as directed by the Field Coordinator, collects samples of raw and finished water at public water supplies and from surface waters (streams and reservoirs) in accordance with the procedures specified in Section 3.0 and delivers them for analyses according to instructions received from the Field Coordinator. Communications are maintained at all times between the field team and the *EA. Sampling frequencies and locations will be determined by EA.
- 6.2.3.3.1 Appendix K of CECC-EPIP-8 lists the public and industrial surface water supplies for 50 miles downstream of Sequoyah, Watts Bar, and Browns Ferry Nuclear Plants.
- 6.2.3.3.2 Personnel assigned to collect water intake samples by land will establish radio or telephone *communications with the EA upon arrival at their designated locations.
- 6.2.3.3.3 Personnel assigned to collect reservoir and/or water intake samples by water will maintain *radio contact at all times with the EA. If personnel are unable to maintain radio contact *while on the water, they will immediately leave the area and go to a location where radio or *telephone contact can be established in order to receive further instructions.
- * 6.2.3.3.4 If there is the possibility of radioactive air release while personnel are in the field, the EA *shall evaluate the need to assign RADCON support with proper monitoring equipment to accompany the field crew while in the plume.

7.0 SAFETY

Safety is the most important consideration in emergency response. Personnel are cautioned to exercise great care in approaching and working near any areas which are suspected of having been (or could become) exposed to radiological contamination or radiation.

- * 7.1 The EA will ensure that field crews are briefed on the following:
 - 7.1.1 The potential radiation hazards involved before they are asked to enter a potentially contaminated area.
 - 7.1.2 The possible need for decontamination following completion of sampling in a potentially contaminated area. Decontamination will be performed, as necessary, by qualified RADCON personnel.

*Revision

7.2 The type of release(s) which occur during a radiological emergency (i.e., water, air, water and air) will determine what type of protective equipment is required by field personnel. The Field Coordinator will consult with EA to obtain the needed determinations. If there is the possibility of radioactive exposure to personnel, a RADCON Tech. with proper monitoring may be assigned to accompany personnel. Appendix A contains equipment a listing of safety equipment which may be required for use during a radiological emergency. The equipment is stored at the PSCDB at Chickamauga Reservation for Sequoyah and Watts *Bar Nuclear Plants and at the SIM Field Office at Browns Ferry Nuclear Plant.

8.0 OPERATIONAL READINESS

8.1 The equipment inspections will be conducted quarterly and after use and documented on Appendix A.

9.0 RECORDS

9.1 The EA maintains a chronological log of activities which occur during a radiological emergency.

9.1.1 The log book includes such information as telephone conversations (and parties involved), requests received and/or made (and from and/or to whom), decisions made (and by whom), status information received and/or transmitted (and from and/or to whom), and manpower assignments made including initial notifications and shift changes.

*Revision

APPENDIX A Page 1 of 1
RADIOLOGICAL EMERGENCY RESPONSE EQUIPMENT LIST

Browns Ferry, Sequoyah, and Watts Bar Nuclear Plants - Special Radiological Emergency Equipment

1. Water Sampling Equipment¹

- ___ 10 - eight-liter plastic pails
- ___ 100 - one-gallon cubitainers
- ___ 2 - six-volt battery hand flashlights (operational check)
- ___ 2 - 100-feet of rope
- ___ 2 - sets of Tennessee River navigation charts for area reservoirs
- ___ 2 - plastic zip-lock bags containing field sheets, marking pens, and sample tags
- ___ 2 - EP maps for the plants involved (2 mile, 10 mile and 50 mil). Confirm revision levels in CECC EPIP-9.
- ___ 4 - pairs of water proof gloves

2. Radiological Control Equipment^{1,2}

- ___ 2 - Radios with EP radio frequency (operational check).
- ___ *4 - Packages of potassium iodide tablets. Expiration date _____
- ___ 6 - TLD Badges. Expiration date _____
- ___ 6 - 0-200 millirem pocket dosimeters: (re-zero)
- ___ 1 - Dosimeter charger (operational check).

3. Other field support equipment such as trucks, boats, water quality instrumentation, rainsuits, and lifejackets are available from general supplies and can be made available at any time upon request.

¹This equipment is maintained at the Power Service Center for Sequoyah and Watts Bar Nuclear Plants and at the SIM Field Office in Athens, Alabama for Browns Ferry Nuclear Plant.

²Equipment maintained at SIM Ten Mile Office.

Inspected by: _____

Date: _____

Supervisory Review: _____

Date: _____

Forward a completed copy to David Pond, Emergency Preparedness, LP 6B-C.

*Revision

