



444 South 16th Street Mall
Omaha NE 68102-2247

July 30, 2002
LIC-02-0086

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Reference: Docket No. 50-285

SUBJECT: Transmittal of Changes to Emergency Plan Implementing Procedures (EPIP)

In accordance with 10 CFR 50.54(q), 10 CFR 50, Appendix E, Section V, and 10 CFR 50.4(b)(5), please find EPIP change packages enclosed for the Document Control Desk (holder of Copy 165) and the NRC Region IV Plant Support Branch Secretary (holder of Copies 154 and 155).

The document update instructions and summary of changes are included on the Confirmation of Transmittal form (Form EP-1) attached to each controlled copy change package. Please return the Confirmation of Transmittal forms by September 8, 2002.

The revised documents included in the enclosed package are:

EPIP Index Pages 1 through 3 issued 07/09/02
EPIP-RR-72 R13 issued 07/09/02

If you have any questions regarding the enclosed changes, please contact Mr. Carl Simmons at (402) 533-6430.

Sincerely,

J. B. Herman
Manager – Nuclear Licensing

JBH/ash

Enclosures

- c: NRC Region IV Plant Support Branch Secretary (2 sets)
Alan Wang, NRC Project Manager (w/o enclosures)
J. G. Kramer, NRC Senior Resident Inspector (w/o enclosures)
Winston & Strawn (w/o enclosures)
Emergency Planning Department (w/o enclosures)

A045

OMAHA PUBLIC POWER DISTRICT

Confirmation of Transmittal for
Emergency Planning Documents/Information

<input type="checkbox"/> Radiological Emergency Response Plan (RERP)	<input checked="" type="checkbox"/> Emergency Plan Implementing Procedures (EPIP)	<input type="checkbox"/> Emergency Planning Forms (EPF)
<input type="checkbox"/> Emergency Planning Department Manual (EPDM)	<input type="checkbox"/> Other Emergency Planning Document(s)/ Information	

Transmitted to:

Name: Document Control Desk Copy No: 165 Date: _____
Plant Support Branch Secretary Copy No: 154
Plant Support Branch Secretary Copy No: 155

The following document(s) / information is forwarded for your manual:

REMOVE SECTION

EPIP Index Pg 1 issued 05/07/02 & Pgs 2 & 3 issued
05/02/02
EPIP-RR-72 R12a issued 02/29/00

INSERT SECTION

EPIP Index Pages 1 thru 3 issued 07/09/02
EPIP-RR-72 R13 issued 07/09/02

Summary of Changes:

EPIP-RR-72 Attachment 6.1 Step 3 was revised to direct the teams to synchronize their watches to the ERF time.



Supervisor - Emergency Planning

I hereby acknowledge receipt of the above documents/information and have included them in my assigned manuals.

Signature: _____ Date: _____

Please sign above and return by 09/08/02 to:

Beth Nagel
Fort Calhoun Station, FC-2-1
Omaha Public Power District
444 South 16th Street Mall
Omaha, NE 68102-2247

NOTE: If the document(s)/information contained in this transmittal is no longer requested or needed by the recipient, or has been transferred to another individuals, please fill out the information below.

- ☐ Document(s)/Information No Longer Requested/Needed
☐ Document(s)/Information Transferred to:

Name: _____ Mailing Address: _____

Document	Document Title	Revision/Date
EPIP-OSC-1	Emergency Classification	R35 05-02-02
EPIP-OSC-2	Command and Control Position Actions/Notifications	R40 02-04-02
EPIP-OSC-9	Emergency Team Briefings	R7 12-09-99
EPIP-OSC-15	Communicator Actions	R22 10-24-00
EPIP-OSC-21	Activation of the Operations Support Center	R11 11-27-01
EPIP-TSC-1	Activation of the Technical Support Center	R22 02-04-02a
EPIP-TSC-2	Catastrophic Flooding Preparations (R0 03-22-95) DELETED (05-09-95) REINSTATED	R2 02-06-96
EPIP-TSC-8	Core Damage Assessment	R14 01-19-01
EPIP-EOF-1	Activation of the Emergency Operations Facility	R12 08-24-00a
EPIP-EOF-3	Offsite Monitoring	R17 12-07-01
EPIP-EOF-6	Dose Assessment	R32 01-23-02
EPIP-EOF-7	Protective Action Guidelines	R13 10-31-00b
EPIP-EOF-10	Warehouse Personnel Decontamination Station Operation	R10 01-13-00a
EPIP-EOF-11	Dosimetry Records, Exposure Extensions and Habitability	R18 09-18-97b

Document	Document Title	Revision/Date
EPIP-EOF-19	Recovery Actions	R7 09-30-98
EPIP-EOF-21	Potassium Iodide Issuance	R4 11-07-00
EPIP-EOF-23	Emergency Response Message System	R5 10-12-99
EPIP-EOF-24	EOF Backup Alert Notification System Activation	R3 09-09-99
EPIP-RR-11	Technical Support Center Director Actions	R14 02-29-00
EPIP-RR-13	Reactor Safety Coordinator Actions	R14 12-09-99
EPIP-RR-17	TSC Security Coordinator Actions	R14 04-04-01
EPIP-RR-17A	TSC Administrative Logistics Coordinator Actions	R19 07-23-01
EPIP-RR-19A	Operations Liaison Actions	R5 10-07-99
EPIP-RR-21	Operations Support Center Director Actions	R12 09-23-99
EPIP-RR-21A	Maintenance Coordinator Actions	R4 11-30-99
EPIP-RR-22	Protective Measures Coordinator/Manager Actions	R21 07-02-01
EPIP-RR-22A	Chemistry Coordinator Actions	R6 12-07-01
EPIP-RR-25	EOF Dose Assessment Coordinator Actions	R20 11-15-01
EPIP-RR-28	OSC Accountability and Dosimetry Technician Actions	R8 09-25-01

Document	Document Title	Revision/Date
EPIP-RR-29	EOF Administrative Logistics Manager Actions	R19 03-13-01b
EPIP-RR-39	Control Room Medical Responder Actions	R0 03-27-01
EPIP-RR-63	EOF Dose Assessment Assistant Actions	R10 11-19-01
EPIP-RR-66	Communication Specialist Actions	R8 08-31-99
EPIP-RR-72	Field Team Specialist Actions	R13 07-09-02
EPIP-RR-87	Radiation Protection Coordinator Actions	R7 08-24-00
EPIP-RR-90	EOF/TSC CHP Communication Actions	R0 10-24-00

WP8

Fort Calhoun Station
Unit No. 1

EPIP-RR-72

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: FIELD TEAM SPECIALIST ACTIONS

FC-68 Number: EC 28532

Reason for Change: Revise Step 3 of Attachment 6.1 to include directing the field teams to synchronize their watches to ERF time.

Requestor: R. Hankins

Preparer: R. Hankins

Distribution Authorized

This procedure does not contain any proprietary information, or such information has been censored. This issue may be released to the public document room. Proprietary information includes personnel names, company telephone numbers, and any information, which could impede emergency response.

FIELD TEAM SPECIALIST ACTIONS

NON-SAFETY RELATED

1. PURPOSE

- 1.1 The purpose of this procedure is to provide guidance to the EOF Field Team Specialist in performing actions in response to an emergency at Fort Calhoun Station.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 EPIP-EOF-3, Offsite Monitoring
- 2.2 FC-EPF-2, Offsite Monitor Log
- 2.3 FC-EPF-6, Estimated Exposure Worksheet
- 2.4 FC-EPF-7, Estimated Exposure Log
- 2.5 S.W. Gebers, CHP. ESTIMATES OF TOTAL EFFECTIVE DOSE EQUIVALENT: USING DIRECT READING DOSIMETERS. December, 1993.
- 2.6 Radiological Health and Engineering, "Dose Assessment Model: Site Population Dose", Memorandum FC-RP-028-94
- 2.7 Radiological Analysis 95-006, Halogen DCF Based on Field Air Sample

3. DEFINITIONS

None

4. PREREQUISITES

None

5. PROCEDURE

- 5.1 The EOF Field Team Specialist will use Attachment 6.1 as an aid to completing required actions.
- 5.2 Use Attachment 6.2 as guidance in directing Field Teams.
- 5.3 Review the procedure and appropriate checklists, and accomplish the applicable steps both upon initial activation and periodically, as required, thereafter.

- 5.4 Retain all documentation (logs, calculation sheets, notes, etc.) generated or used during the emergency. At the termination, deliver all documentation to the Administrative Logistics Manager in the EOF.

6. ATTACHMENTS

- 6.1 EOF Field Team Specialist Checklist
- 6.2 Plume Tracking Techniques

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- R13

Attachment 6.1 - EOF Field Team Specialist Checklist

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- 6.4.2 Initiate an estimated TEDE determination for the team using FC-EPF-6.
- A. IF an estimated TEDE cannot be calculated due to lack of data, THEN go to Step 6.4.3. _____
- B. IF the estimated TEDE is greater than 1 Rem, THEN go to Step 6.4.3. _____
- C. If the estimated TEDE is less than 1 Rem, team may again be dispatched upon approval from the Protective Measures Manager. _____
- 6.4.3 Initiate replacement of the team and a dosimetry/bioassay evaluation for the team through the EOF Dose Assessment Coordinator. _____ / _____
- 6.5 Use FC-EPF-6 to calculate estimated TEDE for the field teams, and inform them of the results. _____
- 6.5.1 If an estimated TEDE is greater than 1 Rem:
- A. Instruct the teams to exit the area and report to either the EOF or plant site, as determined by the EOF Dose Assessment Coordinator. _____
- B. Initiate replacement of the team and dosimetry/bioassay evaluation for the team through the EOF Dose Assessment Coordinator. _____
- 6.5.2 If an estimated TEDE is less than 1 Rem, team may continue. _____ / _____
- 6.6 Post OPPD field team survey results. _____ / _____
- 6.7 Submit completed FC-EPF-2 forms to the EOF Dose Assessment Coordinator for review and comparison to EAGLE data. _____ / _____

Attachment 6.1 - EOF Field Team Specialist Checklist

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7. Provide detailed briefing to oncoming shift relief of emergency conditions and status of field team monitoring.

_____ / _____

Attachment 6.2 - Plume Tracking Techniques

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NOTE: Gamma radiation, above normal background, with no beta component may indicate the presence of a nearby elevated or horizontally displaced plume. A significant difference between open and closed window readings probably indicates immersion in the plume as the most energetic beta particle expected (3 MeV) would travel approximately 30 feet in air.

NOTE: An open air ion chamber becomes internally contaminated with noble gas after immersion in the plume for a short time. This condition gives the appearance of a "Gamma only response" (no difference between open and closed window). In this case, confirm background gamma radiation levels with GM detectors or other sealed chamber survey instruments.

1. If time and roadways allow, dispatch one team to a downwind location to intercept the projected center line of the plume and have them standby with dose rate instruments on.
_____ /
2. Dispatch the second team closer to the plant to continuously traverse the projected plume path with instruments on. Direct this team to notify you immediately upon locating the actual centerline. After the centerline has been located, direct the team to transverse the plume to determine the plume boundaries.
_____ /

NOTE: As time to compare actual and projected dose is critical, give consideration to the roadway network and direct sampling by the team which can be placed closest to the centerline in the least amount of time.

3. Use the overlay map and plot the centerline path. As needed, move the first team to intercept the actual centerline and to take surveys as close to the centerline as dose rates and roadways allow.
_____ /
4. After the centerline surveys have been taken, direct the teams to determine the plume edges and remain outside the plume. Place teams on either side of the plume and periodically monitor the plume boundaries to ensure wind shift has not occurred.
_____ /
5. Based on radiological conditions and changes in plant status, additional surveys may be taken to confirm dose assessment projections.
_____ /

Attachment 6.2 - Plume Tracking Techniques

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6. After plume passage and release termination, determine the following:

6.1 Boundaries of ground deposition

6.2 Beta and gamma dose rates from ground deposition

6.3 Surface contamination levels

_____ / _____