



444 South 16th Street Mall  
Omaha NE 68102-2247

September 5, 2003  
LIC-03-0125

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).

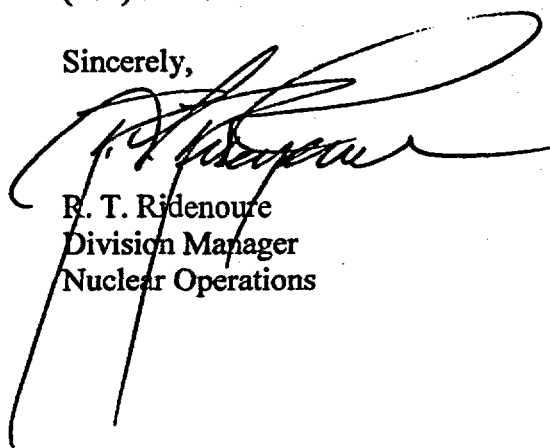
The document update instructions and summary of changes are included on the Confirmation of Transmittal form (Form EP-1) attached to each controlled copy change package. Please return the Confirmation of Transmittal forms by October 24, 2003.

The revised documents included in the enclosed package are:

EPIP Index page 2 of 3 issued 08/28/03  
EPIP Index page 3 of 3 issued 08/28/03  
EPIP RR-21 R13 issued 08/28/03  
EPIP-RR-87 R9 issued 08/28/03

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

Sincerely,



R. T. Ridenoure  
Division Manager  
Nuclear Operations

**U. S. Nuclear Regulatory Commission**  
**LIC-03-0125**  
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**RTR/CKF**

**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)**  
**Emergency Planning Department (w/o enclosures)**

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  
Division of Reactor Safety Copy No: 154  
Attn: Senior Emergency Preparedness Inspector  
Division of Reactor Safety Copy No: 155  
Attn: Senior Emergency Preparedness Inspector

Date: \_\_\_\_\_

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

REMOVE SECTION

EPIP Index page 2 of 3 issued 07/17/03  
EPIP Index page 3 of 3 issued 05/28/03  
EPIP-RR-21 R12 issued 09/23/99  
EPIP-RR-87 R7 issued 08/24/00

INSERT SECTION

EPIP Index page 2 of 3 issued 08/28/03  
EPIP Index page 3 of 3 issued 08/28/03  
EPIP-RR-21 R13 issued 08/28/03  
EPIP-RR-87 R9 issued 08/28/03

**Summary of Changes:**

EPIP-RR-21 was revised to provide guidance for evacuating excess staff from the OSC. EPIP-RR-87 was revised to add instructions to obtain a copy of the Dose Margins Report from the RP Shift Tech or HIS 20.

  
\_\_\_\_\_  
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 to: 10/24/03

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

Document	Document Title	Revision/Date
EPIP-EOF-19	Recovery Actions	R8 07-17-03
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 02-29-00a
EPIP-RR-13	Reactor Safety Coordinator Actions	R14 12-09-99a
EPIP-RR-17	TSC Security Coordinator Actions	R15 12-10-02a
EPIP-RR-17A	TSC Administrative Logistics Coordinator Actions	R20 11-07-02a
EPIP-RR-19A	Operations Liaison Actions	R6 04-15-03a
EPIP-RR-21	Operations Support Center Director Actions	R13 08-28-03
EPIP-RR-21A	Maintenance Coordinator Actions	R4 11-30-99a
EPIP-RR-22	Protective Measures Coordinator/Manager Actions	R22 05-15-03
EPIP-RR-22A	Chemistry Coordinator Actions	R6 12-07-01
EPIP-RR-25	EOF Dose Assessment Coordinator Actions	R21 05-15-03
EPIP-RR-28	OSC Accountability and Dosimetry Technician Actions	R8 09-25-01a

Document	Document Title	Revision/Date
EPIP-RR-29	EOF Administrative Logistics Manager Actions	R20 11-07-02
EPIP-RR-39	Control Room Medical Responder Actions	R0 03-27-01a
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	R9 08-28-03
EPIP-RR-90	EOF/TSC CHP Communication Actions	R0 10-24-00

Fort Calhoun Station  
Unit No. 1

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**EPIP-RR-21**

**EMERGENCY PLAN IMPLEMENTING PROCEDURE**

**Title: OPERATIONS SUPPORT CENTER DIRECTOR ACTIONS**

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**FC-68 Number: EC 32650**

**Reason for Change: Provide guidance for evacuating excess staff from OSC.**

**Requestor: M. Reller**

**Preparer: M. Reller**

OPERATIONS SUPPORT CENTER DIRECTOR ACTIONS

NON-SAFETY RELATED

1. PURPOSE

- 1.1 The purpose of this procedure is to provide guidance to the Operations Support Center (OSC) Director.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 EPIP-OSC-9, Emergency Team Briefings
- 2.2 EPIP-OSC-21, Activation of the Operations Support Center
- 2.3 EPIP-EOF-11, Dosimetry Records, Exposure Extensions, and Habitability

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3. DEFINITIONS

None

4. PREREQUISITES

None

5. PROCEDURE

- 5.1 Review the procedure and checklist, and accomplish the applicable steps both upon initial activation and periodically, as required, thereafter.
- 5.2 At the completion of the shift or at event termination, initial the steps which are completed.
- 5.3 Retain all documentation (logs, calculation sheets, notes, etc.) generated or used during the emergency. At the termination, deliver all documentation to the TSC Administrative Logistics Coordinator position in the TSC.

6. ATTACHMENTS

- 6.1 OSC Director's Checklist

Attachment 6.1 - OSC Director's Checklist

Page 1 of 3

**\*\* Maintain a log of all key activities \*\***

- |  | (✓) INIT/TIME |
|--|---------------|
| 1. Obtain worker packet and put on the Personnel Identification Badge.   | _____ / _____ |
| 2. Obtain current plant status from the TSC Director. If the TSC is not yet manned, obtain information from best available source (i.e., ERFCS, Control Room, OSC Operations Liaison, etc).                                  | _____ / _____ |
| 3. Activate the OSC per EPIP-OSC-21.   | _____ / _____ |
| 4. Brief the OSC personnel on initial plant conditions and events.   | _____ / _____ |
| 5. Periodically review the following steps and perform, as required:   |               |
| 5.1 Coordinate the development of plans for required maintenance activities, and direct the emergency response functions of the OSC as necessary to assist the Site Director in mitigating the consequences of the accident. | _____         |
| 5.2 Ensure the OSC is prepared to assemble, brief, and dispatch emergency teams as required per EPIP-OSC-9.  | _____         |
| 5.3 Consider the need for QA/QC coverage when dispatching teams but <u>DO NOT</u> delay dispatch of teams if QA/QC personnel are not available.  | _____         |
| 5.4 Ensure that accountability of the personnel in the OSC is maintained.  | _____         |
| 5.5 Keep the Site Director updated on the status of OSC activities.  | _____         |
| 5.6 Ensure that accountability of the emergency teams dispatched from the OSC is maintained on the "Team Status Board."  | _____         |
| 5.7 Ensure that habitability checks are performed in the OSC and other occupied areas (Assembly Areas, Security Building, and the Warehouse) per EPIP-EOF-11.  | _____         |
| 5.8 Ensure the OSC status boards are maintained with current information.  | _____ / _____ |



Attachment 6.1 - OSC Director's Checklist

Page 2 of 3

(✓) INIT/TIME

6. Ensure a 24 hour work schedule for the following positions is prepared and provide a copy to the TSC Administrative Logistics Coordinator. (use EPF-9, as necessary)

- OSC Director
- OSC Operations Liaison
- Radiation Protection Coordinator
- Chemistry Coordinator
- Maintenance Coordinator
- ERMS Operator

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7. Once staffing needs are satisfied:

- 7.1 Based on the type of emergency determine a safe route to travel from the OSC to off site. TSC Protective Measures Coordinator, Security Coordinator, OSC Chemistry Coordinator are among those that may offer assistance.

\_\_\_\_\_

- 7.2 Inform all excess staff to be prepared to leave the site using the route selected.

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- 7.3 Brief evacuees on:

- Current plant conditions and prognosis
- Ensure they review the 24 hour roster to determine when (if) they are scheduled
- Route they should take when leaving the OSC/site
- Any hazards they may encounter

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- 7.4 Provide an escort(s) as needed.

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- 7.5 If evacuation is not practicable at this time find an onsite location to safely house personnel until conditions change.

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8. Provide a detailed briefing to your shift relief of any actions taken and the current emergency status.

\_\_\_\_\_/

FORT CALHOUN STATION  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-RR-21  
PAGE 4 OF 4

Attachment 6.1 - OSC Director's Checklist

Page 3 of 3

(✓) INIT/TIME

9. When the emergency is terminated direct that all personnel restore their emergency equipment and worker packets. Release the OSC personnel when complete.

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Fort Calhoun Station  
Unit No. 1

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**EPIP-RR-87**

**EMERGENCY PLAN IMPLEMENTING PROCEDURE**

**Title: RADIATION PROTECTION COORDINATOR ACTIONS**

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**FC-68 Number: EC 32649**

**Reason for Change: Add instructions to obtain a copy of the Dose Margins Report from the RP Shift Tech or HIS 20.**

**Requestor: M. Reller**

**Preparer: M. Reller**

RADIATION PROTECTION COORDINATOR ACTIONS

NON-SAFETY RELATED

1. PURPOSE

- 1.1 The purpose of this procedure is to provide guidance to the Operations Support Center's Radiation Protection Coordinator.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 RP-602, Personnel Dosimetry Issue and Changeout
- 2.2 RP-214, Access Control Radiologically Controlled Area
- 2.3 EPIP-EOF-11, Dosimetry Records, Exposure Extensions and Habitability
- 2.4 EPIP-OSC-9, Emergency Team Briefings
- 2.5 EPIP-EOF-21, Potassium Iodide Issuance
- 2.6 EPIP-EOF-10, Warehouse Personnel Decontamination Station Operation
- 2.7 EPIP-OSC-21, Activation of the Operations Support Center
- 2.8 FC-EPF-6, Estimated Exposure Worksheet
- 2.9 FC-EPF-7, Estimated Exposure Log
- 2.10 Radiological Health and Engineering, Dose Assessment Model: Site Population Dose - Memorandum FC-RP-028-94
- 2.11 Radiological Analysis 95-006, Halogen DCF Based on Field Air Sample

3. DEFINITIONS

None

4. PREREQUISITES

None

**5. PROCEDURE**

- 5.1 Use Attachment 6.1, Radiation Protection Coordinator's Checklist, as an aid to completing required actions.**
- 5.2 Review the procedure and checklist, and accomplish the applicable steps both upon initial activation and periodically, as required, thereafter.**
- 5.3 At the completion of the shift or at event termination, check/initial the steps which are completed.**
- 5.4 Retain all documentation (logs, calculation sheets, notes, etc.) generated or used during the emergency. At the termination, deliver all Radiation Protection group documentation to the TSC Administrative Logistics Coordinator position in the TSC.**

**6. ATTACHMENTS**

- 6.1 Radiation Protection Coordinator's Checklist**

Attachment 6.1 - Radiation Protection Coordinator's Checklist

Page 1 of 4

Maintain a log of all key activities:

(✓) INIT/TIME

1. Upon Arrival:

- 1.1 Sign in on Accountability Roster. \_\_\_\_\_
- 1.2 Obtain worker packet. \_\_\_\_\_
- 1.3 Put on Personnel Identification badge. \_\_\_\_\_
- 1.4 Assist, in activation of OSC per EPIP-OSC-21. \_\_\_\_\_
- 1.5 Update the Personnel Status board with names of available RP personnel. \_\_\_\_\_ / \_\_\_\_\_

2. Periodically review the following steps and perform as required:

- 2.1 Ensure that access control is established in the OSC (EPIP-RR-28).
- 2.2 Ensure that Dosimetry is ready to be issued in OSC (EPIP-EOF-11, RP-602).
- 2.3 Ensure that RWP's are ready (RP-214). \_\_\_\_\_
- 2.4 Obtain a current copy of the Dose Margin Report from the Radiation Protection Shift Technician (this is normally kept in the back of the RP Shift Log) or using HIS20 software, under "Reports Personnel" print "Daily Dose Report - By Employee". \_\_\_\_\_ / \_\_\_\_\_

Attachment 6.1 - Radiation Protection Coordinator's Checklist

Page 2 of 4

**NOTE:** When dispatching personnel from the OSC, ensure that they are equipped with a Radio and are tracked using the Team Status Board.

**NOTE:** The Maintenance and Chemistry Coordinators are available to assist in team briefings.

**NOTE:** For critical Operations response, dispatch RP Technicians to meet responder(s) at a predetermined location, selected by the Shift Manager and OSC Director.

3. Assist the OSC Director in forming needed emergency teams

3.1 If conditions warrant, assign an RP Technician to each team dispatched, from all facilities.

3.2 Use available resources to ensure that all work is done in an As Low As Reasonably Achievable (ALARA) Manner.

3.3 Initiate and coordinate emergency worker exposure limits (EPIP-EOF-11)

3.4 Brief each team as time permits. (EPIP-OSC-9)

4. If there is a known or imminent radiological release, ensure:

4.1 The ERFCS is used to monitor plant radiological conditions.

4.2 The OSC Radiological wall maps are updated.

**NOTE:** If possible analyze radiological samples in the RP Count Room. If the Count Room is unavailable consider other locations using portable equipment. The Chemistry Count Room is shielded.

5. If there is or a radiological release is imminent, ensure habitability surveys are performed in all occupied areas, including but not limited to:

- Control Room (Shift RP Tech)
- TSC
- OSC
- Security Building
- Administration Building
- Warehouse
- Training Center

Attachment 6.1 - Radiation Protection Coordinator's Checklist

Page 3 of 4

6. Evaluate the habitability surveys for each facility, determine:  
(EPIP-EOF-11)

- Which facilities should be evacuated
- Which facilities need control points established
- Frequency of follow-up habitability surveys
- Assign an RP Technician to perform surveys

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7. Report habitability status to the OSC Director:

7.1 Request that an announcement be made in each occupied facility regarding each facilities status.

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7.2 Ensure that occupants are aware of the status of eating, drinking, smoking or chewing privileges.

\_\_\_\_\_ /

8. Using habitability survey data and/or dose assessments, assign a RP Technician to perform TEDE calculations for personnel in all occupied areas. Consider the following areas: (FC-EPF-6)

- Control Room
- TSC
- OSC
- Security Building
- Administration Building
- Warehouse
- Training Center

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9. As authorized issue Potassium Iodide (KI) per EPIP-EOF-21.

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**NOTE:** Equipment needed to perform Step 10, is stored at the EOF.

10. As needed assign RP Technicians to the EOF for monitor/decontamination operations.

\_\_\_\_\_ /

11. In the event of contaminated or contaminated injured personnel, assign an RP Technician to perform:

- Monitoring for contamination
- Decontamination at the Warehouse (EPIP-EOF-10) or other appropriate location
- Whole Body Counting
- Rescue Squad escort and monitoring

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Attachment 6.1 - Radiation Protection Coordinator's Checklist

Page 4 of 4

12. Coordinate radwaste and radiation instrument control.

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13. Prepare a 24 hour staffing schedule, ensuring sufficient staffing for:

- RP Technician(s) to cover onsite monitoring
- RP Technician(s) for occupied facility habitability surveys
- RP Technician(s) for emergency team coverage
- RP Technician(s) for count room duties
- OSC Accountability and Dosimetry Technician
- OSC Radio Operator
- OSC Radiation Protection Coordinator

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13.1 Provide copy of schedule to the TSC Administrative Logistics Coordinator.

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14. Provide a detailed briefing to your shift relief of any action taken and the current emergency status.

\_\_\_\_ / \_\_\_\_