



444 South 16th Street Mall
Omaha NE 68102-2247

May 23, 2003
LIC-03-0082

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 EPF 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 July 11, 2003.

The revised documents included in the enclosed package are:

- EPIP Index page 2 of 3 issued 05/15/03
- EPIP-RR-22 R22 issued 05/15/03
- EPIP-RR-25 R21 issued 05/15/03

No commitments are made to the NRC in this letter.

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

RTR/men

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)

A045

OMAHA PUBLIC POWER DISTRICT

Confirmation of Transmittal for
Emergency Planning Documents/Information

Radiological Emergency Response Plan (RERP)
 Emergency Plan Implementing Procedures (EPIP)
 Emergency Planning Forms (EPF)

Emergency Planning Department Manual (EPDM)
 Other Emergency Planning Document(s)/ Information

Transmitted to:

Name: Document Control Desk Copy No: 165 Date: _____
Division of Reactor Safety Copy No: 154
 Attn: Senior Emergency Preparedness Inspector
Division of Reactor Safety Copy No: 155
 Attn: Senior Emergency Preparedness Inspector

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

REMOVE SECTION


EPIP Index page 2 of 3 issued 01/16/03
 EPIP-RR-22 R21 issued 07/02/01
 EPIP-RR-25 R20 issued 11/15/01

INSERT SECTION

EPIP Index page 2 of 3 issued 05/15/03
 EPIP-RR-22 R22 issued 05/15/03
 EPIP-RR-25 R21 issued 05/15/03

Summary of Changes:

EPIP-RR-22 was revised to clarify when HPN is used, delete sign-off/time on steps that are performed multiple times, since this made using the procedure confusing. EPIP-RR-25 was revised to add note to clarify when HPN is used, delete sign-off/time on steps that are performed multiple times, since this made using the procedure confusing.



 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 07/11/03 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-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 12-09-99a
EPIP-RR-17	TSC Security Coordinator Actions	R15 12-10-02
EPIP-RR-17A	TSC Administrative Logistics Coordinator Actions	R20 11-07-02
EPIP-RR-19A	Operations Liaison Actions	R6 04-15-03
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	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 09-25-01

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.

Fort Calhoun Station
Unit No. 1

EPIP-RR-22

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: PROTECTIVE MEASURES COORDINATOR / MANAGER ACTIONS

FC-68 Number: EC 30719

Reason for Change: Add note to clarify when HPN is used, delete sign-off/time on steps that are performed multiple times, since this made using the procedure confusing.

Requestor: M. Reller

Preparer: M. Reller

PROTECTIVE MEASURES COORDINATOR / MANAGER ACTIONS

NON-SAFETY RELATED

1. PURPOSE

- 1.1 This procedure provides guidance to the Protective Measures Coordinator and the Protective Measures Manager for performing actions in response to an emergency at Fort Calhoun Station.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 EPIP-EOF-6, Dose Assessment
- 2.2 EPIP-EOF-7, Protective Action Guidelines
- 2.3 EPIP-EOF-21, Potassium Iodide Issuance
- 2.4 EPIP-EOF-11, Dosimetry Records, Exposure Extensions and Habitability
- 2.5 EPIP-TSC-1, Activation of the Technical Support Center
- 2.6 FC-EPF-6, Estimated Exposure Worksheet
- 2.7 CR 199500262
- 2.8 Commitment (Other than Ongoing)
- AR 13302, IER-92-20, Closed
 - AR 11809, LIC-91-189R, Closed
 - AR 13301, IER-92-20, Closed

3. DEFINITIONS

None

4. PREREQUISITES

None

5. PROCEDURE

NOTE: When needed, complete dose assessments and updates to the states at least every 60 minutes. It is the goal of the Fort Calhoun Station to attempt to provide assessments and updates at 15 minute intervals. (AR 13302)

- 5.1 The Protective Measures Coordinator will use Attachment 6.1 as an aid to completing required actions.
- 5.2 The Protective Measures Manager will use Attachment 6.2 as an aid to completing required actions.
- 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, or the TSC Administrative Logistics Coordinator in the TSC.

6. ATTACHMENTS

- 6.1 Protective Measures Coordinator Checklist
- 6.2 Protective Measures Manager Checklist

Attachment 6.1 - Protective Measures Coordinator Checklist

Maintain a log of all key activities

✓

INIT/TIME

NOTE: Actions taken may be performed out of sequence based on judgement of the user.

1. Upon arrival:

1.1 Obtain worker packet

1.2 Put on Personnel Identification badge

1.3 Assist in activation of the TSC per EPIP-TSC-1

_____/_____

2. Interface with:

2.1 Control Room Dose Assessment Specialist to determine Status of dose assessment.

2.2 OSC Radiation Protection Coordinator:

- to determine plant radiological conditions
- to coordinate response efforts

2.3 Field Teams to brief and assign duties.

3. Keep the Site Director/TSC Director informed on the status of:

3.1 In-plant response

3.2 Dose Assessment

3.3 Field Team response

3.4 Plant radiological conditions

Attachment 6.1
(continued)

Page 2 of 4

✓ INIT/TIME

4. Assess any planned or imminent releases for potential impact to the public.

NOTE: CHP Communicator may perform this task.

- 4.1 Prior to starting any release notify (use the CHP or commercial phone line):

- Nebraska Emergency Management Agency
- Nebraska Department of Health R&L
- Iowa Emergency Management Division
- Iowa Department of Public Health

5. If a release is in progress or suspected and the release path is not immediately known: **[AR 11809]**

- 5.1 Request an that assessment team (i.e., Operations, engineering, dose assessment personnel) be assigned by the Site Director or TSC Director.

- 5.2 Coordinate with the team to ensure they:

- Verify that a release is actually in progress
- Determine the source and release path of any release
- Report team findings to the appropriate position

Attachment 6.1
(continued)

Page 3 of 4

✓ INIT/TIME

NOTE: Although it is the Command and Control Position's duty to ensure that the Emergency Notification Forms (FC-1188) are accurate, approved and issued per the requirements of EPIP-OSC-2, your position should assist in ensuring that these requirements are met.

6. If Command and Control is in the TSC update the states and counties as follows:

NOTE: If dose assessment is being performed in another facility and Command and Control is in the TSC, have the PAR Worksheet and Update Report for Offsite Authorities faxed to the TSC for approval.

6.1 Dose assessment is being performed:

- Review the current PAR Worksheet form
- Assign PARs per EPIP-EOF-7
- Review the classification level and prognosis
- If correct, forward to Site Director for approval
- Ensure that the Update Report for Offsite Authorities is faxed to the states
- As requested, if a classification and/or a PAR change is required assist in initiating Emergency Notification Form (FC-1188)

6.2 If dose assessment is not being performed:

- As requested, assist the Command and Control Position in completing an Emergency Notification Form (FC-1188).
- As requested, forward the approved Emergency Notification Form to the COP Communicator for state/county updates.

7. Ensure the COP Communicator properly updates the Radiological Status Board. (AR 13301)

Attachment 6.1
(continued)

✓ INIT/TIME

NOTE: Do not activate the Health Physics Network (HPN) until requested to do so by the NRC.

NOTE: You or a designee may be required to assist the CHP Communicator.

8. Ensure that the CHP Communicator is providing radiological information to:

8.1 The states using the Conference Health Physics (CHP) network or commercial line as a backup. _____

8.2 The NRC using the Health Physics Network (HPN) or commercial line as a backup. _____ / _____

9. If required, coordinate the protective measures process for in-plant teams and Field Teams use:

- EPIP-EOF-21, Potassium Iodide Issuance
- EPIP-EOF-11, Dosimetry Issuance, Extensions and Habitability
- FC-EPF-6, Estimated Exposure Worksheet

10. As required, provide a detailed briefing to your relief covering:

- Emergency conditions _____
- Actions taken (current status) _____ / _____

Attachment 6.2 - Protective Measures Manager Checklist

Page 1 of 4

Maintain a log of all key activities

✓

INIT/TIME

NOTE: Actions taken may be performed out of sequence based on judgement of the user.

1. Upon arrival:

1.1 Sign in on Security Roster

1.2 Put on Personnel Identification badge

_____ / _____

2. Interface with:

2.1 The EOF Dose Assessment Coordinator or the TSC Protective Measures Coordinator to determine:

- Status of dose assessment
- Status of and actions taken by Field Teams

2.2 The TSC Protective Measures Coordinator to determine:

- Onsite radiological conditions
- In-plant teams actions

3. Report your findings from Step 2 to the Emergency Director.

NOTE: The MRC Technical Liaison need not report to the EOF if MRC is being activated and may be briefed by telephone.

4. Brief the Site Representative and MRC Technical Liaison on the following:

- The event
- Status of the plant
- Radiological concerns
- PAR's given to the states

4.1 Instruct the Site Representative to obtain his worker package.

4.2 If conditions warrant, dispatch the Site Representative to the Iowa State EOC.

Attachment 6.2
(continued)

✓ INIT/TIME
_____/_____

4.3 If the MRC is being activated, dispatch the MRC Technical Liaison.

5. Assess any planned or imminent releases for potential impact to the public.

NOTE: If representatives of the following agencies are in the EOF you or a designee may talk to them directly.

NOTE: CHP Communicator may perform this task.

5.1 Prior to starting any release notify (use the CHP or commercial phone line):

- Nebraska Emergency Management Agency
- Nebraska Department of Health R&L
- Iowa Emergency Management Division
- Iowa Department of Public Health

6. Upon concurrence of Emergency Director and the Dose Assessment staff initiate actions to transfer dose assessment to the EOF.

_____/_____

Attachment 6.2
(continued)

Page 3 of 4

✓ INIT/TIME

NOTE: Although it is the Command and Control Position's duty to ensure that the Emergency Notification Forms (FC-1188) are accurate, approved and issued per the requirements of EPIP-OSC-2, your position should assist in ensuring that these requirements are met.

7. If Command and Control is in the EOF update the states and counties as follows:

NOTE: If dose assessment is being performed in another facility and Command and Control is in the EOF, have the PAR Worksheet and Update Report for Offsite Authorities faxed to the EOF for approval.

- 7.1 If dose assessment is being performed:

- Review the current PAR Worksheet form
- Assign PARs per EPIP-EOF-7
- Review the classification level and prognosis
- If correct, forward to Command and Control position for approval
- Ensure that the Update Report for Offsite Authorities is faxed to the states
- As requested, if a classification and/or a PAR change is required assist in initiating Emergency Notification Form (FC-1188)

- 7.2 If dose assessment is not being performed:

- As requested, assist the Command and Control Position in completing an Emergency Notification Form (FC-1188).
- As requested, forward the approved Emergency Notification Form to the COP Communicator for state/county updates.

8. Ensure the COP Communicator properly updates the PAR Status Board. [AR 13301]

_____ /

Attachment 6.2
(continued)

✓ INIT/TIME

NOTE: Do not activate the Health Physics Network (HPN) until requested to do so by the NRC.

NOTE: You or a designee may be required to assist the CHP Communicator.

9. Ensure that the CHP Communicator is providing radiological information to:

9.1 The states using the Conference Health Physics (CHP) network or commercial line as a backup. _____

9.2 The NRC using the Health Physics Network (HPN) or commercial line as a backup. _____ / _____

10. If required, coordinate guidance for the protective measures process use:

- EPIP-EOF-21, Potassium Iodide Issuance
- EPIP-EOF-11, Dosimetry Issuance, Extensions and Habitability
- FC-EPF-6, Estimated Exposure Worksheet

11. Provide periodic updates on radiological conditions to:

- Emergency Director
- EOF Staff
- State Representatives (at the EOF)

12. If the states request, call in OPPD environmental personnel. _____ / _____

13. If the plant is evacuated, coordinate the arrival of evacuees with the EOF Administrative Logistics Manager. _____

13.1 If required, evaluate the evacuated site population exposure using FC-EPF-6. _____ / _____

14. As required, provide detailed briefing to your relief covering:

- Emergency conditions
 - Actions taken (current status)
- _____ / _____

Fort Calhoun Station
Unit No. 1

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EPIP-RR-25.

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: EOF DOSE ASSESSMENT COORDINATOR ACTIONS

FC-68 Number: EC 30720

Reason for Change: Add note to clarify when HPN is used, delete sign-off/time on steps that are performed multiple times, since this made using the procedure confusing.

Requestor: M. Reller

Preparer: M. Reller

EOF DOSE ASSESSMENT COORDINATOR ACTIONS

NON SAFETY RELATED

1. PURPOSE

- 1.1 This procedure provides guidance to the EOF Dose Assessment Coordinator for performing actions in response to an emergency at Fort Calhoun Station.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 EPIP-EOF-6, Dose Assessment
- 2.2 EPIP-EOF-7, Protective Action Guidelines
- 2.3 EPIP-EOF-21, Potassium Iodide Issuance
- 2.4 EPIP-EOF-11, Dosimetry Records, Exposure Extensions and Habitability
- 2.5 FC-EPF-6, Estimated Exposure Worksheet
- 2.6 Commitment Documents
 - AR 13302, IER-92-20

3. DEFINITIONS

None

4. PREREQUISITES

None

5. PROCEDURE

- 5.1 The EOF Dose Assessment Coordinator will use Attachment 6.1 as an aid to completing required actions.

NOTE: When needed, perform dose assessments and updates to the states at least every 60 minutes. It is the goal of the Fort Calhoun Station to attempt to provide assessments and updates at 15 minute intervals. (AR 13302)

- 5.2 Use Attachment 6.2 as guidance in comparing Field Team data to dose assessment data.

- 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 Dose Assessment Coordinator Checklist
- 6.2 Comparison of Field Team Data to Dose Assessment Data

Maintain a log of all key activities

	(✓)	<u>INIT/TIME</u>
1. Upon arrival:		
1.1 Sign in on Security Roster	—	
1.2 Put on personnel identification badge	—	/
NOTE: If dose assessment is being performed at the EOF, proceed to Step 5. Otherwise continue with Step 2.		
2. Instruct EOF Dose Assessment Specialist to:		
2.1 Determine on-site dose assessment status.	—	
2.2 Ensure that the EOF has a hard copy of all dose assessments.	—	
2.3 Ensure that at least one EOF EAGLE machine is functional.	—	
2.4 Stand by for transfer of dose assessment to the EOF.	—	/
3. Review the dose assessments to ensure proper response has been taken.		/
4. If required, direct transfer of dose assessment from the plant to the EOF:		
4.1 Determine when the transfer of Command and Control will take place (ask the Protective Measures Manager or Emergency Director).	—	
4.2 If possible coordinate the dose assessment transfer with the transfer of Command and Control.	—	
4.3 Inform EOF Dose Assessment Specialist of time of transfer of Command and Control.	—	
4.4 Ensure coordination of dose assessment transfer between on-site Dose Assessment Specialist and EOF Dose Assessment Specialist.	—	

Attachment 6.1
(continued)

(✓)

INIT/TIME

- 4.5 Upon transfer ensure EOF Dose Assessment Specialist properly understands and is prepared to assume their duties.

_____ / _____

NOTE: If Field Team direction is not yet at the EOF, check with the TSC Protective Measures Coordinator to determine their status.

5. Determine status of Field Teams from the EOF Field Team Specialist.

_____ / _____

6. Keep the Protective Measure Manager abreast of the status of dose assessment and the Field Teams.

_____ / _____

7. As data becomes available perform dose assessment and Field Team comparisons. Use attachment 6.2.

_____ / _____

8. As conditions warrant contact the National Weather Service to obtain a 24 hour forecast.

8.1 Determine the potential impact on dose assessment.

8.2 Determine the potential impact to the Field Teams.

NOTE: Do not activate the Health Physics Network (HPN) until requested to do so by the NRC.

9. As required, provide radiological information to:

9.1 The states/counties using the Conference Health Physics (CHP) Network or commercial line as a backup.

9.2 The NRC using the Health Physics Network (HPN) or commercial line as a backup.

10. If required, coordinate protective measures for Field Teams use:

- EPIP-EOF-21, Potassium Iodide Issuance
- EPIP-EOF-11, Dosimetry Issuance, Extensions and Habitability
- FC-EPF-6, Estimated Exposure Worksheet

Attachment 6.1
(continued)

Page 3 of 3

(✓) INIT/TIME

11. As required, provide a detailed briefing to your relief covering:

- Emergency conditions
- Actions taken (current status)

_____ / _____

Attachment 6.2 - Comparison of Field Team Data to Dose Assessment Data

Page 1 of 3

NOTE: This guideline should be used when Field Team data becomes available, to determine if dose projections match actual Field Team measurements. Based on these comparisons, the proper decision-makers may adjust Protective Action Recommendations (PARs) and Emergency Action Levels (EAL) accordingly.

1. Obtain an FC-EPF-27 Form(s).

1.1 Record the following data:

- Date
- Time

1.2 From the Field Team Specialist determine and record:

- Field Team location
- Approximate distance from site
- Waist level dose rate (Rem/Hr) as reported by the Field Team
- Iodine Concentration ($\mu\text{Ci}/\text{cc}$) as reported by the Field Team

1.3 Using an EAGLE workstation:

- From the EAGLE main menu select "Output Menu"
- From the Plume Segment screen enter the correct plume segment number, click "OK"
- Click "Display Field Team Data"
- Select the proper sector

1.4 Printing

- Open and minimize Microsoft Word
- Simultaneously hit the "Alt" and "Print Screen" buttons
- Maximize Microsoft Word
- Click "Edit" from the selection bar
- Click "Paste"
- Click "File"
- Click "Print"
- Click "OK"

Attachment 6.2
(continued)

Page 2 of 2

1.5 Recording Data

- From the EAGLE print out find the data point that most coordinates with the Field Team data
- Record on the FC-EPF-27
 - The projected Field Team (Rem/Hr)
 - The projected Iodine 131 ($\mu\text{Ci}/\text{cc}$)

1.6 Compare data and discuss any potential PAR correction with the Protective Measures Manager/Coordinator.