



Nebraska Public Power District

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NLS2003109

October 20, 2003

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

**Subject: Emergency Plan Implementing Procedures
Cooper Nuclear Station, NRC Docket 50-298, DPR-46**

The purpose of this letter is to transmit the following Emergency Plan Implementing Procedures (EPIPs) pursuant to the requirements of 10 CFR 50, Appendix E, Section V, "Implementing Procedures":

EPIP 5.7.9.1
EPIP 5.7.21

Revision 7
Revision 27

"Activation of Alternate EOF"
"Maintaining Emergency Preparedness -
Emergency Exercises, Drills, Tests, and
Evaluations"

Should you have any questions concerning this matter, please contact me 402-825-2774.

Sincerely,

Paul V. Fleming
Licensing and Regulatory Affairs Manager

/jr

Enclosure

cc: Regional Administrator w/enclosures (2)
USNRC - Region IV

NPG Distribution w/o enclosures

Senior Resident Inspector w/enclosures
USNRC

Records w/o enclosures

A045

Correspondence Number: NLS2003109

The following table identifies those actions committed to by Nebraska Public Power District (NPPD) in this document. Any other actions discussed in the submittal represent intended or planned actions by NPPD. They are described for information only and are not regulatory commitments. Please notify the Licensing & Regulatory Affairs Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
NONE	

<p style="text-align: center;"><u>CNS OPERATIONS MANUAL</u> EPIP 5.7.9.1</p> <p style="text-align: center;">ACTIVATION OF ALTERNATE EOF</p>	<p>USE: REFERENCE ☼ EFFECTIVE: 9/29/03 APPROVAL: SORC/IQA OWNER: J. G. KELSAY DEPARTMENT: EP</p>
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1. PURPOSE

This procedure describes the activation and subsequent operation of the Alternate Emergency Operations Facility (AEOF) in the event that the normal Emergency Operations Facility (EOF) cannot be activated or becomes uninhabitable during an ALERT, SITE AREA EMERGENCY, or GENERAL EMERGENCY.

2. REQUIREMENTS

2.1 The EOF cannot be activated in its normal location or it has been determined to be uninhabitable.

3. EOF DIRECTOR

3.1 EOF Director shall ensure items listed on Attachment 1 are completed.

4. RADIOLOGICAL CONTROL MANAGER

4.1 Radiological Control Manager shall determine the relocation route to be taken to the AEOF, based on radiological survey data and consistent with ALARA principles, as to avoid any excess radiation doses. This route shall be communicated clearly to all personnel who are relocating.

4.2 Radiological Control Manager shall utilize Procedures 5.7.11 and 5.7.13, if necessary, during facility relocation.

5. EOF EMERGENCY PREPAREDNESS COORDINATOR

5.1 EOF EPC shall ensure items listed on Attachment 2 are completed.

6. EOF PERSONNEL

6.1 EOF personnel shall relocate in an orderly fashion to the AEOF when instructed to do so, using the specified route. Personnel shall take with them all written logs, portable radios, calculators, communication headsets, personnel protection and safety equipment that has been issued to them, and any other EOF equipment necessary to perform their EOF duties from the AEOF. If instructed by the Radiological Control Manager or EOF Director, EOF personnel shall obtain their TLD prior to relocating to the AEOF.

6.2 All EOF personnel shall perform their duties from the AEOF in the same manner that they would from the normal EOF utilizing this and all other appropriate procedures. EOF Staff members shall assist the EOF EPC in facility relocation and set-up tasks if requested to do so by the EOF Director or EOF EPC.

6.3 Staffing of the AEOF will be performed with individuals listed for the EOF positions in Procedure 5.7.9.

ATTACHMENT 1 EOF DIRECTOR CHECKLIST - AEOF
--

ACTION ITEMS**TIME/INITIALS**

1. Notify EOF personnel of the decision to relocate the EOF, the reasons for relocation, and any specific information and instructions about the relocation effort. Instruct EOF personnel to obtain their TLD if this action has been deemed appropriate by the Radiological Control Manager.
2. Contact the TSC and notify TSC Director of the decision to relocate the EOF. Make arrangements for temporary turnover of EOF duties to the TSC during the relocation process.
3. Notify Local, State, and Federal Agency Representatives present in the EOF of the relocation decision.
4. Make arrangements with State and Local Agencies for the AEOF (Nemaha County Multiplex Building) to be unlocked (if not currently occupied or keys to the facility are not available from the EOF EPC PIM Manual) and made accessible to EOF personnel.
5. Request EOF Logistics Coordinator to coordinate the use of station vehicles for the transfer of personnel and equipment to the alternate facility.
6. Provide EOF EPC with the necessary resources (authority and manpower) for the transfer, set-up, and preparation of equipment in the alternate facility.

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ATTACHMENT 2	EOF EMERGENCY PREPAREDNESS COORDINATOR CHECKLIST - AEOF
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ACTION ITEMS**TIME/INITIALS****1. Set up telephones, radios, and computer communications.**

1.1 The telephones and radios are located on shelves in the equipment storage room at the east end of the AEOF. Ensure this room has been unlocked per Attachment 1, Step 4, if keys are not available from the EOF EPC PIM Manual.

_____ /

1.2 Set up the tables in the configuration shown on Attachment 3. The tables are located in the equipment storage room at the east end of the AEOF.

_____ /

1.3 Obtain telephones and base radio units from the equipment storage room and place on the tables. These telephones and radios are labeled by ERO position. Place them at the locations identified for the respective ERO positions per Attachment 3.

_____ /

1.4 Drop the telephone cords under the tables to the terminal blocks located on the north and west walls and plug them into the jacks that are labeled for each respective unit. The same applies to the base radio units which are similarly labeled.

_____ /

1.5 Check each device for operation (dial tone or radio check). If any device is inoperable, check cable connections and jacks. Note any unwanted line noise or other unsatisfactory conditions and request assistance from the CNS Communications Department, if necessary.

_____ /

2. STATUS BOARDS AND EPZ MAP SET-UP

2.1 Locate status boards and maps in the equipment storage room. Relocate them to the main AEOF area.

_____ /

2.2 Position status boards in AEOF per Attachment 3.

_____ /

2.3 Position EPZ maps, as necessary, for easy access and use.

_____ /

ATTACHMENT 2	EOF EMERGENCY PREPAREDNESS COORDINATOR CHECKLIST - AEOF
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ACTION ITEMS**TIME/INITIALS****3. COMPUTER TERMINAL SET-UP**

3.1 Place IDT terminal, IDT printer, VT display terminal, and Laserjet printer, at locations specified on Attachment 3.

_____/____

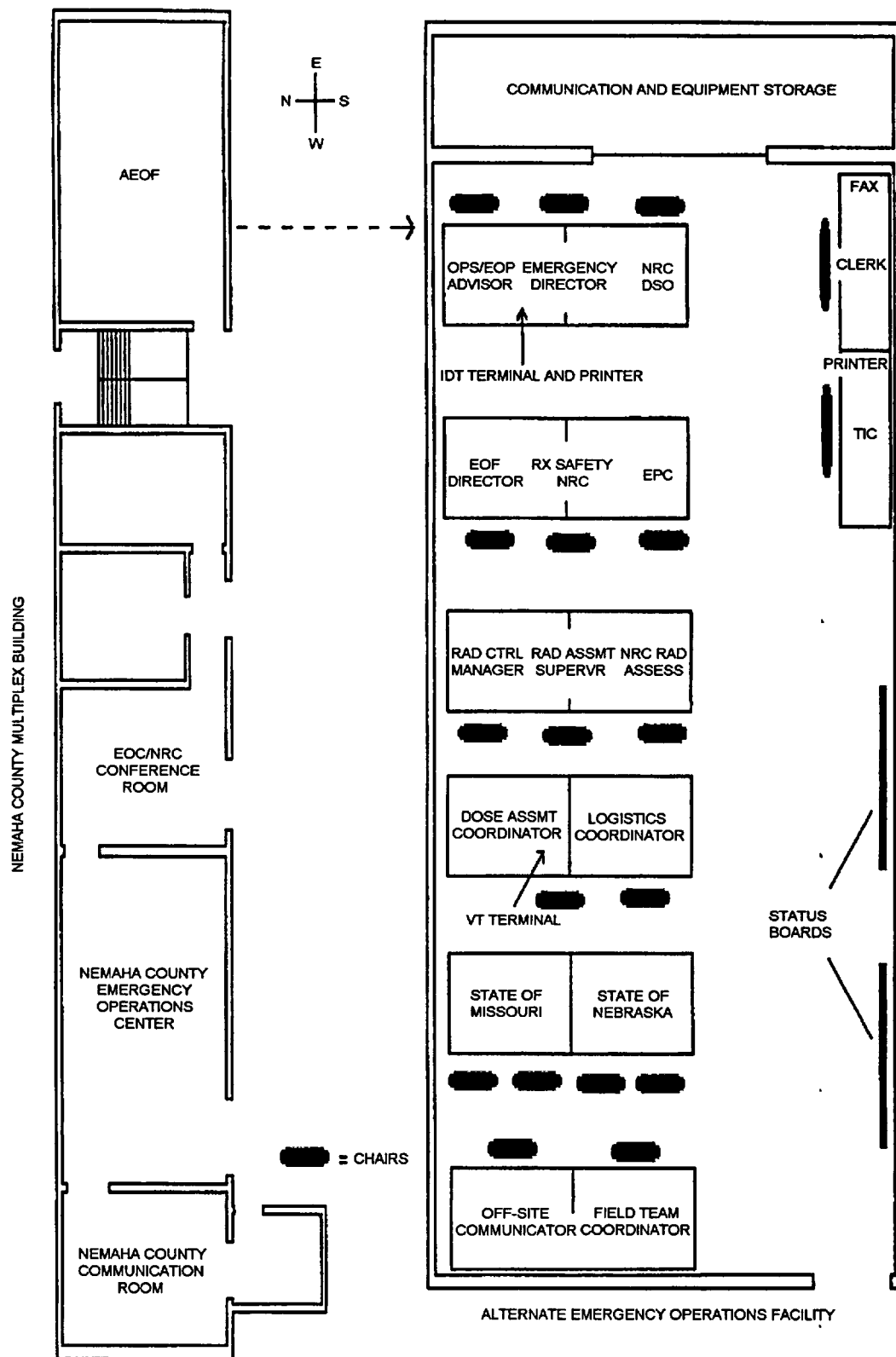
3.2 Drop the terminal cords under the tables to the terminal blocks located on the north and west walls, and plug them into the jacks that are labeled for each respective unit.

_____/____

3.3 Check each device for operation. If any device is inoperable, check cable connections. Note any unsatisfactory conditions and request assistance from the Communications Department Technicians, if necessary.

_____/____

ATTACHMENT 3 AEOF FLOOR PLAN



5-7-9-1A.SCAN
Figure 1

1. DISCUSSION

- 1.1 If emergency conditions dictate relocation of the EOF, off-site emergency response shall be accomplished from the AEOF. The decision to relocate the EOF to the alternate facility shall be made by the EOF Director.**
- 1.2 Activation and operational criteria of the AEOF is identical to that of the EOF as specified in Procedure 5.7.9. EOF personnel shall perform the same duties, as prescribed by the same appropriate procedures, from the AEOF as they would from the normal EOF.**
- 1.3 AEOF is located in the northeast portion of the Nemaha County Multiplex Building located at 601 "J" Street, Auburn, Nebraska. The AEOF is equipped with emergency response equipment and emergency communications equipment which shall be activated per Attachment 2.**
- 1.4 EOF Director shall be responsible for the implementation of this procedure and shall be assisted by the EOF Emergency Preparedness Coordinator (EPC) and EOF Logistics Coordinator. The EOF Logistics Coordinator shall coordinate station vehicles for the transfer of personnel and equipment to the alternate facility. The EOF EPC shall be responsible for the transfer, set-up, and preparation of equipment. The EOF Director shall ensure EOF EPC has enough manpower at his disposal to implement this procedure. By effectively utilizing all EOF Staff, tasks defined in this procedure can be performed simultaneously for more efficient and timely facility activation.**
- 1.5 A list of emergency equipment located in the AEOF and instructions for maintaining readiness of the equipment are detailed in Procedure 5.7.21.**

2. REFERENCES

2.1 CODES AND STANDARDS

- 2.1.1 NPPD Emergency Plan for CNS.**
- 2.1.2 NUREG 0654, Revision 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.**

2.2 PROCEDURES

- 2.2.1 Emergency Plan Implementing Procedure 5.7.1, Emergency Classification.**

ATTACHMENT 4 INFORMATION SHEET
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2.2.2 Emergency Plan Implementing Procedure 5.7.9, Activation of EOF.

2.2.3 Emergency Plan Implementing Procedure 5.7.11, Evacuation of
Non-Designated Site Personnel.

2.2.4 Emergency Plan Implementing Procedure 5.7.13, Personnel
Monitoring and Decontamination.

2.2.5 Emergency Plan Implementing Procedure 5.7.21, Emergency
Equipment Inventory.

2.2.6 Emergency Plan Implementing Procedure 5.7.22, Communications.

2.3 MISCELLANEOUS

2.3.1 QA Audit 93-05.

2.3.2 RCR 2002-0126.

<u>CNS OPERATIONS MANUAL</u> EPIP PROCEDURE 5.7.21 MAINTAINING EMERGENCY PREPAREDNESS - EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS	USE: INFORMATION ⓘ EFFECTIVE: 9/29/03 APPROVAL: SORC/IQA OWNER: K. S. HAYNES DEPARTMENT: EP
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1. PURPOSE

This procedure provides instructions for documenting the completion of periodic surveillances, tests, drills, and training related to the CNS Emergency Preparedness Program.

2. VICE PRESIDENT PLANT SUPPORT INSTRUCTIONS

2.1 Review completed documentation of Attachment 1, EP Program Maintenance Checklist, on an annual basis.

2.2 Ensure State and County Emergency Management officials are made aware of non-emergency events having a potential for media interest.

2.2.1 Inform Emergency Preparedness (EP) of event.

2.2.2 Verify EP has informed appropriate Emergency Management officials.

2.3 Ensure State and County Emergency Management officials are made aware of the following on an annual basis:

2.3.1 Significant changes to the Emergency Plan/EPIPs.

2.4 Ensure that biennial exercises are performed with state and county Emergency Response Agencies.

3. EMERGENCY PREPAREDNESS MANAGER INSTRUCTIONS

3.1 At the beginning of each calendar year:

3.1.1 Review the items on Attachment 1, EP Program Maintenance Checklist, and establish a working schedule.

3.2 Maintain awareness of status of completion of Attachment 1, EP Program Maintenance Checklist.

3.2.1 Response actions performed as part of actual plant emergencies may be credited toward the following drills or tests:

3.2.1.1 Integrated facility activation drill.

3.2.1.2 Call-out phone test/drill.

3.2.1.3 RP drill.

3.2.1.4 Off-site agency communications drill.

3.2.1.5 Medical drill.

3.2.2 For actual plant emergencies, a post-event critique should be performed utilizing the format in EPDG #2, H-1, CNS Drill and Exercise Manual, Attachment 10 - Critique Process.

- 3.2.3 Evolutions incorporated within a drill/exercise may count as drill or test completion, as example:
 - 3.2.3.1 RP drill, medical drill, or off-site communications drill, as part of quarterly integrated facility activation drill or annual exercise.
- 3.2.4 Notification of ERO and Governmental Agencies including:
 - 3.2.4.1 Weekly tests of Automated Notification System.
 - 3.2.4.2 Quarterly off-hours ERO call-in test.
 - 3.2.4.3 Quarterly verification and update of Emergency Telephone Directory.
- 3.2.5 NRC Performance Indicators:
 - 3.2.5.1 Prepare and submit in accordance with Administrative Procedure 0-PI-01.
- 3.3 Ensure completion of the items on Attachment 2, Quarterly EP Maintenance Checklist.
- 3.4 Ensure the completion of the items on Attachment 3, Emergency Plan 6 Year Element Demonstration.
- 3.5 Ensure the completion of the items on Attachment 4, EPIP Annual Review.
- 3.6 Ensure the completion of the items on Attachment 5, EP Exercise Checklist.
- 3.7 Maintain awareness of the status of the Alert and Notification System (ANS) operability.
- 3.8 Ensure the following is performed for Biennial Exercises:
 - 3.8.1 Schedule a date for the exercise in coordination with the primary State and County emergency response agencies.
 - 3.8.2 Provide the opportunity for State and County response agencies to participate in an exercise.

3.8.3 Coordinate NPPD efforts with other participating personnel, organizations, and agencies.

3.8.3.1 If the Federal Emergency Management Agency (FEMA) is evaluating State and County emergency response, ensure the exercise scenario is developed within the time frames specified by the regulations, as defined in Attachment 4, EP Exercise Checklist.

3.8.4 Discuss and evaluate annual exercise performance with plant management, NPPD controller/evaluators, and principal participants.

4. RECORDS

4.1 Attachments 1 through 5 are sent to CNS Records (quality record upon final review).

ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST

Year: _____

1. SEMI-ANNUAL/ANNUAL/BIENNIAL EP MAINTENANCE ITEMS

1.1 Radiological Protection Drill (Semi-Annual)

1.1.1 (January - June) Date: _____

1.1.2 (July - December) Date: _____

1.2 Radiological Monitoring Drill (Annual) Date: _____

1.3 Biennial Exercise (include Attachment 5, EP Exercise Checklist) Date: _____

1.3.1 FEMA Evaluated (even years only) [] Yes; [] No

1.4 Annual Medical Drill Date: _____

1.5 Emergency Plan Review

1.5.1 Emergency Plan Review (Annual) (EPDG #2, F-7) Date: _____

1.5.2 Letters of Agreement Certification (Annual Confirmation) (EPDG #2, F-3) Date: _____

1.5.3 EPIP Review (Annual) Date: _____

1.6 Annual News Media Orientation/Training (EPDG #2, D-5) Date: _____

1.7 Semi-Annual Dissemination of Emergency Public Information/Transient Population Information (EPDG #2, C-3) Date: _____
Date: _____

1.8 Review and update 6 Year Plan (Annual) (include Attachment 3, Emergency Plan 6 Year Element Demonstration) Date: _____

1.9 Annual EAL Review (EPDG #2, F-2) Date: _____

1.10 Off-Site Agency Training (Annual)

1.10.1 Local Civil Defense Agencies Date: _____

1.10.2 Annual Nemaha County Hospital Training (EPDG #2, D-1) Date: _____

1.10.3 Annual Emergency Plan Training for Local Law Enforcement Agencies (EPDG #2, D-2) Date: _____

ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST

Year: _____

1.10.4 Annual Nemaha Co. Hospital & Auburn
Ambulance Training (EPDG #2, D-3)

Date: _____

1.10.5 Annual Volunteer Fire Department Training
(EPDG #2, D-4)

Date: _____

1.11 Annual Training Review of ERO

1.11.1 Solicit verification of annual ERO training
completion from the Training Department.

Date: _____

1.11.2 Review training completion feedback and remove
any ERO Members not qualified.

Date: _____

1.12 EP Department Training Review (Annual)

Date: _____

1.13 Semi-Annual Alert and Notification System Sign and
Evacuation Map Verification (EPDG #2, C-4)

Date: _____

Date: _____

1.14 Annual Full-Cycle Sounding of Alert and Notification
System Sirens (EPDG #2, C-5)

Date: _____

1.15 Annual Fixed Siren Maintenance (EPDG #2, C-6)

Date: _____

1.16 Annual Review of CNS QA Audit Report of EP (EPDG #2,
F-4)

Date: _____

1.17 Semi-Annual Verification of Current Revisions to the CNS
Emergency Plan, Emergency Plan Implementing
Procedures, Emergency Telephone Directories, ERO
Facility Diagrams, and Other Station Procedures
(EPDG #2, F-5)

Date: _____

Date: _____

Completed By: _____ Date: _____
Emergency Preparedness Coordinator

Reviewed By: _____ Date: _____
Emergency Preparedness Manager

ATTACHMENT 2 QUARTERLY/MONTHLY/WEEKLY/OTHER EP MAINTENANCE CHECKLIST
--

Quarter: _____

Year: _____

1. EMERGENCY RESPONSE FACILITY SURVEILLANCES**1.1 Quarterly Emergency Equipment Inventory****1.1.1 Control Room (Attachment 7)** Date: _____**1.1.2 OSC (Attachment 8)** Date: _____**1.1.3 Emergency Rescue (Attachment 9)** Date: _____**1.1.4 AOSC (Attachment 10)** Date: _____**1.1.5 EOF (Attachment 11)** Date: _____**1.1.6 AEOF (Attachment 12)** Date: _____**1.1.7 Ambulance (Attachment 13)** Date: _____**1.1.8 Hospital (Attachment 14)** Date: _____**1.2 Quarterly Inventory of Emergency Response Facility Forms
(EPDG #2, F-6)**

Date: _____

1.3 TSC

Date: _____

**1.3.1 Monthly Emergency Response Facility Walkdown and Testing of
Facility Overhead Information Display Systems, Facility Computers,
VAX Terminals, Information Display Terminals, and Printers
(EPDG #2, E-2)****1.3.1.1 Month 1** Date: _____**1.3.1.2 Month 2** Date: _____**1.3.1.3 Month 3** Date: _____**1.4 OSC****1.4.1 Monthly Emergency Response Facility Walkdown and Testing of
Facility Overhead Information Display Systems, Facility Computers,
VAX Terminals, Information Display Terminals, and Printers
(EPDG #2, E-2)****1.4.1.1 Month 1** Date: _____**1.4.1.2 Month 2** Date: _____**1.4.1.3 Month 3** Date: _____

ATTACHMENT 2 QUARTERLY/MONTHLY/WEEKLY/OTHER EP MAINTENANCE CHECKLIST
--

Quarter: _____

Year: _____

1.5 EOF

Date: _____

**1.5.1 Monthly Emergency Response Facility Walkdown and Testing of
Facility Overhead Information Display Systems, Facility Computers,
VAX Terminals, Information Display Terminals, and Printers
(EPDG #2, E-2)**

1.5.1.1 Month 1

Date: _____

1.5.1.2 Month 2

Date: _____

1.5.1.3 Month 3

Date: _____

**1.6 Monthly State Notification Telephone System Testing
(EPDG #2, B-1)****1.6.1 Month 1**

Date: _____

1.6.2 Month 2

Date: _____

1.6.3 Month 3

Date: _____

**1.7 Monthly Testing of FTS 2001 System Telephones
(EPDG #2, B-2)****1.7.1 Month 1**

Date: _____

1.7.2 Month 2

Date: _____

1.7.3 Month 3

Date: _____

**1.8 Monthly Testing of Cell Phones and Headsets (EPDG #2,
B-3)****1.8.1 Month 1**

Date: _____

1.8.2 Month 2

Date: _____

1.8.3 Month 3

Date: _____

1.9 Monthly Testing of Alternate Intercoms (EPDG #2, B-4)**1.9.1 Month 1**

Date: _____

1.9.2 Month 2

Date: _____

1.9.3 Month 3

Date: _____

ATTACHMENT 2 QUARTERLY/MONTHLY/WEEKLY/OTHER EP MAINTENANCE CHECKLIST
--

Quarter: _____

Year: _____

1.10 Monthly Testing 2-Way Radios (EPDG #2, B-5)

1.10.1 Month 1

Date: _____

1.10.2 Month 2

Date: _____

1.10.3 Month 3

Date: _____

1.11 Monthly Testing of FAX Machines (EPDG #2, B-6)®

1.11.1 Month 1

Date: _____

1.11.2 Month 2

Date: _____

1.11.3 Month 3

Date: _____

1.12 Semi-Monthly Alert and Notification System Siren Testing
(EPDG #2, C-1)

1.12.1 Month 1

Date: _____

Date: _____

1.12.2 Month 2

Date: _____

Date: _____

1.12.3 Month 3

Date: _____

Date: _____

1.13 Quarterly EBS Newspaper and Radio Advisories (EPDG #2,
C-2)

Date: _____

2. STAFF AUGMENTATION METHODOLOGIES

2.1 Quarterly ERO Call-In Test (EPDG #2, E-3)

Date: _____

2.2 Weekly Pager Test (EPDG #2, E-4)

2.2.1 Week 1

Date: _____

2.2.2 Week 2

Date: _____

2.2.3 Week 3

Date: _____

2.2.4 Week 4

Date: _____

ATTACHMENT 2 QUARTERLY/MONTHLY/WEEKLY/OTHER EP MAINTENANCE CHECKLIST
--

Quarter: _____

Year: _____

2.2.5 Week 5

Date: _____

2.2.6 Week 6

Date: _____

2.2.7 Week 7

Date: _____

2.2.8 Week 8

Date: _____

2.2.9 Week 9

Date: _____

2.2.10 Week 10

Date: _____

2.2.11 Week 11

Date: _____

2.2.12 Week 12

Date: _____

2.2.13 Week 13

Date: _____

2.3 Quarterly Emergency Telephone Directory Revisions
(EPDG #2, F-1)

Date: _____

2.4 Quarterly Performance Indicator (PI) Drill and Critique
Report

Date: _____

2.4.1 Quarterly Trend Report (Drill Critique and Issue
Review per EPDG #2, H-1, Drill and Exercise
Manual)©

Date: _____

2.5 Monthly Verification of ANS Module Phone Numbers
(EPDG #2, E-5)

2.5.1 Month 1

Date: _____

2.5.2 Month 2

Date: _____

2.5.3 Month 3

Date: _____

2.6 Quarterly Back-up of the Dialogics Computer (EPDG #2,
E-6)

Date: _____

2.7 Quarterly Self-Assessment

Date: _____

3. QUARTERLY SUBMITTAL OF EP CORNERSTONE PERFORMANCE
INDICATORS

3.1 Participation

Date: _____

3.2 Drill and Exercise Performance

Date: _____

3.3 Alert and Notification System

Date: _____

ATTACHMENT 2 QUARTERLY/MONTHLY/WEEKLY/OTHER EP MAINTENANCE CHECKLIST
--

Quarter: _____

Year: _____

NOTES:

ATTACHMENT 3	EMERGENCY PLAN 6 YEAR ELEMENT DEMONSTRATION
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ELEMENT	YEAR LAST PERFORMED	YEAR NEXT SCHEDULED	COMPLETION DATE
Two off hours staffing Exercises (6 p.m. - 4 a.m.), one shall be unannounced			
Activation of Joint Information Center			
Use of fire control teams			
Use of medical support personnel			
Use of Security personnel for prompt access to emergency equipment or support			
Use of one or more portions of backup communications for notification			
Field monitoring			
Capability for determining the magnitude and impact of the particular components of a release			
Capability of post-accident coolant sampling and analysis			
Assembly and accountability			
Initial recovery planning activities			

ATTACHMENT 4 EPIP ANNUAL REVIEW

Emergency Plan Implementing Procedures (Annual)				
Year: _____		Revision Number	Date Reviewed	PCR Y / N
5.7.1	Emergency Classification			
5.7.2	Shift Supervisor EPIP			
5.7.6	Notification			
5.7.7	Activation of TSC			
5.7.8	Activation of OSC			
5.7.8.1	Activation of Alternate OSC			
5.7.9	Activation of EOF			
5.7.9.1	Activation of Alternate EOF			
5.7.10	Personnel Assembly and Accountability			
5.7.11	Early Dismissal/Evacuation of Site Personnel			
5.7.12	Emergency Radiation Exposure Control			
5.7.13	Personnel Monitoring and Decontamination			
5.7.14	Stable Iodine Thyroid Blocking (KI)			
5.7.15	OSC Team Dispatch			
5.7.16	Release Rate Determination			
5.7.17	Dose Assessment			
5.7.18	Off-Site and Site Boundary Monitoring			
5.7.19	On-Site Radiological Monitoring			
5.7.20	Protective Action Recommendations			
5.7.21	Maintaining Emergency Preparedness - Emergency Exercises, Drills, Tests, and Evaluations			
5.7.23	Activation of the JIC			
5.7.24	Medical Emergency			

ATTACHMENT 4 EPIP ANNUAL REVIEW

Emergency Plan Implementing Procedures (Annual)				
Year: _____		Revision Number	Date Reviewed	PCR Y / N
5.7.25	Recovery Operations			
5.7.26	Long-Term Environmental Monitoring			
5.7.27	Alert and Notification System			
5.7.27.1	EAS Tone-Activated Radio Malfunction			
2.7.27.2	False Activation of Alert and Notification System Sirens			
5.7.28	Administration of Positional Instruction Manuals (PIMS)			
5.7ENS	ENS Communicator			
5.7COMMUN	Communications			

ATTACHMENT 5 EP EXERCISE CHECKLIST
--

Year: _____

- | | | |
|-----|--|-------------|
| 1. | Exercise Date Selection Date: _____ Announced? _____ | Date: _____ |
| 2. | ERO Participant Notification | Date: _____ |
| 3. | Scenario Development Personnel Assigned | Date: _____ |
| 4. | Controllers/Evaluators Assigned | Date: _____ |
| 5. | Exercise Objectives | |
| 5.1 | Emergency Preparedness Manager Approval | Date: _____ |
| 5.2 | Submitted to Licensing (75 Day NRC Submittal, even years only) | Date: _____ |
| 6. | Exercise Scenario | |
| 6.1 | Provided to Nebraska Emergency Management Agency (NEMA) | Date: _____ |
| 6.2 | Provided to Missouri SEMA | Date: _____ |
| 6.3 | Sixty Day (Prior to Exercise) FEMA Submittal, even years only) | Date: _____ |
| 6.4 | Provided to Licensing (45 Day NRC Submittal, even years only) | Date: _____ |
| 7. | Post-Exercise Critique Date | Date: _____ |
| 8. | Site Oversight Review Committee (SORC) Critique Report Review | Date: _____ |

ATTACHMENT 6 INSTRUCTIONS FOR EQUIPMENT INVENTORIES (ATTACHMENTS 7 THROUGH 14)
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1. INSTRUCTIONS

1.1 PM cards, from the CNS Maintenance Planning Office, shall be issued to those departments responsible for emergency equipment inventories. The department will perform them once per quarter. Emergency equipment inventories shall also be performed after each use.

1.1.1 The Radiological Protection Department is responsible for the inventory of emergency equipment with the exception of rescue equipment.

1.1.2 The Maintenance Department is responsible for the inventory of emergency rescue equipment.

1.2 Personnel responsible for emergency equipment inventory shall obtain an emergency locker seal prior to opening an Emergency Locker. A supply of locker seals shall be maintained by the Emergency Preparedness Department.

1.3 The inventory shall be performed utilizing the appropriate attachment of this procedure.

NOTE - An operability check need not be performed on communication equipment listed in this procedure that is located in the TSC, OSC, or EOF. Testing of these communication devices is conducted by the Emergency Preparedness Staff on a periodic basis.

1.4 Emergency equipment shall be inventoried, inspected, equipment calibration stickers checked, and an operability check shall be performed on all emergency equipment/instruments.

1.5 Operability, calibration, and equipment maintenance shall be conducted per normal station procedures.

1.6 During inspection, any equipment found inoperative or out of calibration shall be replaced in a timely manner.

1.7 During inspection, if any deficiency of inventory is discovered, contact the Emergency Preparedness Department.

ATTACHMENT 6 INSTRUCTIONS FOR EQUIPMENT INVENTORIES (ATTACHMENTS 7 THROUGH 14)
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- 1.8 Instruments or equipment may be routinely removed from inventory for purposes of calibration or repair. Instruments and equipment being removed for calibration or repair should be immediately replaced with similar reserve instruments or equipment, where such reserves exist. Instruments or equipment for which there are not reserves should be returned to inventory immediately upon completion of calibration or repair activities.

- 1.9 During the inventory process, the expiration date of the supply of Potassium Iodide (KI) located within the Emergency Response Facilities shall be checked. If the expiration date is within 3 months from the date of the inventory currently being performed, contact the Emergency Preparedness Department and advise them of the expiration date. Emergency Preparedness Department personnel shall order a new supply of KI or receive an extension of the expiration date from the manufacturer.

- 1.10 During the inventory process, the expiration date of Silver Zeolite cartridges shall be checked. If the expiration date is within 3 months from the date of the inventory currently being performed, contact the Emergency Preparedness Department and advise them of the expiration date. Emergency Preparedness Department personnel shall order new cartridges or receive an extension of the expiration date from the manufacturer.

- 1.11 Upon completion of the emergency equipment inventory, the PM card shall be signed off, indicating inventory is complete, and sent to the Emergency Preparedness Department for review. Emergency Preparedness Department will return the PM card to CNS Maintenance Planning Office. Documentation of emergency equipment inventories shall be kept on file at CNS Maintenance Planning Office.

ATTACHMENT 7	EMERGENCY EQUIPMENT MAINTAINED AT CONTROL ROOM
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NOTE - The air breathing equipment is not within the Emergency Locker, but the cases are located near the Emergency Locker for convenience, inspection, and maintenance.

ITEM	QUANTITY
1. Coveralls, Paper	25 Pairs
2. Shoe Covers, Disposable 14"	24 Pairs
3. Gloves, Disposable	2 Boxes
4. Geiger-Mueller Survey Meter (Range 0 to 50 mrem/hr)	1 Each
5. Ion-Chamber Survey Instrument (Range 0 to 50 rem/hr)	3 Each
6. Dosimeter, Direct Reading Electronic	6 Each
7. Spare Batteries ("AA" Cell)	12 Each
8. Thyroid Blocking Tablets (KI), Check Expiration Date Per Step 1.9	20 Bottles
9. Radiation Warning Sign And Appropriate Inserts	4 Each
10. Radiation Barrier Rope, 200'	1 Coil
11. Radiation Warning Tape	1 Roll
12. First Aid Kit	1 Each
13. Plastic Bag, Large	6 Each
14. Duct Tape, 2"	3 Rolls
15. Self-Contained Breathing Apparatus (With Voice Communicators)	6 Each
16. Full Face Filter Respirators With Filter	6 Each
17. Full Face Filter Respirators With Filter And Voice Communicators	6 Each
18. Spare Air Cylinders	6 Each
19. Spare Respirator Filter	12 Each
20. Hand Lantern, With 6 Volt Battery	2 Each
21. Flashlight, With Two "D" Cell Batteries	8 Each
22. Spare Battery For Hand Lantern (6 Volt)	2 Each
23. Spare Batteries ("D" Cell)	12 Each
24. Spare Battery (9 Volt)	24 Each
25. General Arrangement Drawing	1 Set
26. Step-Off Pad	1 Each
27. Radiation Monitor (Frisker)	1 Each
28. Spare Batteries ("C" Cell)	15 Each
29. Spare Batteries (30 Volt)	2 Each
30. Meals-Ready-To-Eat (MREs)©	> 20 Each
31. Smear Book (10 Smears Per Book)	10 Each

ATTACHMENT 8 EMERGENCY EQUIPMENT AT OSC

ITEM	QUANTITY
1. Flashlight, With Two "D" Cell Batteries	25 Each
2. Masking Tape	6 Rolls
3. Particulate Filter, 2"	1 Box
4. Charcoal Cartridge	10 Each
5. Silver Zeolite Cartridge, Check Expiration Date Per Step 1.10 of Attachment 6.	10 Each
6. Air Sample Plastic Bags And Labels	20 Each
7. Smear Book (10 Smears Per Book)	10 Each
8. Spare Batteries ("D" Cell)	12 Each
9. Spare Batteries ("AA" Cell)	4 Each
10. Step-Off Pad	4 Each
11. Protective Clothing (Full Set)	6 Each
12. Self-Contained Breathing Apparatus	8 Each
13. Spare Bottle For SCBA	12 Each
14. Thyroid Blocking Tablets (KI), Check Expiration Date Per Step 1.9	100 Bottles
15. Survey Instrument Ion-Chamber (Range 0 to 50 rem/hr)	2 Each
16. I&C/Electrical Tool Kit	4 Each
17. Volt Ohmmeter	2 Each
18. Coveralls, Paper	25 Pairs
19. Shoe Covers, Disposable 14"	25 Pairs
20. Gloves, Disposable	1 Box
21. Radiation Barrier Rope, 200'	1 Roll
22. Radiation Monitor (Frisker)	2 Each
23. Radiation Warning Sign With Appropriate Inserts	12 Each
24. Mechanical Maintenance Tool Kit	2 Each
25. Continuous Air Monitor	1 Each
26. PD-1 Area Radiation Monitor	3 Each
27. Personnel Radiation Monitor	1 Each
28. Gloves, Electrical, Low Voltage	1 Pair
29. Continuous Air Monitor Particulate Filter (CNSNO 35881)	10 Each
30. Hard Hat	10 Each
31. Safety Glasses	10 Each
32. Ear Plugs	1 Box
33. Portable Air Sampler	1 Each
34. Spare Battery (9 Volt)	12 Each
35. Spare Battery ("C" Cell)	12 Each
36. Geiger-Mueller Survey Instrument (Range 0 to 50 mrem/hr)	1 Each

ATTACHMENT 9 EMERGENCY RESCUE EQUIPMENT LOCKER

ITEM	DESCRIPTION	UNIT	QUANTITY
1.	Wrecking Bars	Each	2
2.	Bolt Cutters	Each	2
3.	Hacksaw and Blades	Each	2
4.	Come-Along	Each	1
5.	Cable Sling, 1/2" x 3'	Each	2
6.	Cable Sling, 1/2" x 6'	Each	2
7.	Hydraulic Jack, 3 Ton	Each	1
8.	Hydraulic Jack, 5 Ton	Each	1
9.	Sledge Hammer, Various Sizes	Each	4
10.	Porta Power	Each	1
11.	Web Slings (2" to 20' Long, 2" to 10' Long)	Each	4
12.	Sound Powered Phones	Each	1
13.	Safety Belt and Line	Each	1
14.	Fire Axe	Each	1
15.	Crow Bar	Each	1
16.	200' - 3 Part Block and Tackle	Each	1
17.	Battery Lanterns	Each	2
18.	Spare Batteries for Battery Lanterns	Each	2

ATTACHMENT 10 EMERGENCY EQUIPMENT MAINTAINED AT AOSC**1. GENERAL SUPPLIES AND PROTECTION EQUIPMENT**

ITEMS		QUANTITY
1.	Coveralls, Paper	25 Pair
2.	Shoe Covers	25 Pair
3.	Gloves, Disposable	1 Box
4.	PD-1 Area Radiation Monitor	3 Each
5.	Continuous Air Monitor	1 Each
6.	Radiation Monitor (Frisker)	1 Each
7.	Flashlight, With 2 "D" Cell Batteries	8 Each
8.	Spare Batteries ("D" Cell)	24 Each
9.	Book Of Team-Dispatch Forms (Procedure 5.7.15, Attachment 1)	1 Each
10.	Thyroid Blocking Tablets (KI), Check Expiration Date Per Step 1.9	20 Bottles
11.	Step-Off Pad	2 Each
12.	Continuous Air Monitor Particulate Filter (CNSNO 35881)	10 Each
13.	Spare Batteries ("AA" Cell)	4 Each

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF

1. PROTECTION EQUIPMENT

NOTE - The air breathing equipment is not within the Emergency Locker, but the cases are near the Emergency Locker for convenience, inspection, and maintenance.

ITEM	QUANTITY
1. Coveralls, Paper	25 Each
2. Shoe Covers, Disposable 14"	25 Pairs
3. Gloves, Disposable	1 Box
4. Extendable Probe Survey Instrument (Range 0 to 1,000 rem/hr)	1 Each
5. Ion-Chamber Survey Instrument (Range 0 to 50 rem/hr)	1 Each
6. Geiger-Mueller Survey Instrument (Range 0 to 50 mrem/hr)	1 Each
7. Sample Holder With Pancake Type Detector	1 Each
8. Scaler Electronic Package (MS-2)	1 Each
9. Dosimeter, Direct Reading, Electronic	1 Each
10. Spare Batteries ("AA" Cell)	8 Each
11. Filters For Air Sampler; 2"	1 Box
12. Charcoal Cartridge For Air Sampler	10 Each
13. Silver Zeolite Cartridge For Air Sampler, Check Expiration Date Per Step 1.10 of Attachment 6	10 Each
14. Extension Cord, Electric (50')	2 Each
15. PD-1 Area Radiation Monitor	3 Each
16. Continuous Air Monitor	1 Each
17. Self-Contained Breathing Apparatus	4 Each
18. Spare 45 Air Cylinder	4 Each
19. Tape, Duct, 2"	3 Rolls
20. Plastic Sheeting, 20' x 20'	2 Sheets
21. Plastic Bag, Small	1 Box
22. Plastic Bag, Large	6 Each
23. Radiation Warning Sign with Appropriate Inserts	12 Each
24. Smear Book (10 Smears Per Book)	20 Each
25. Radiation Barrier Rope, 200'	1 Coil
26. Radiation Warning Tape	1 Roll
27. Hand Lantern With 6 Volt Battery	1 Each
28. Flashlight, With Two "D" Cell Batteries	8 Each
29. Spare Battery For Hand Lantern (6 Volt)	1 Each

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF

ITEM	QUANTITY
30. Spare Batteries ("D" Cell)	12 Each
31. Pocket Knife	1 Each
32. Small Hand Tool Kit With Straight Slot Screwdriver, Phillips Screwdriver, Small Pliers, And Small Vise Grip	1 Each
33. Step-Off Pads	2 Each
34. Procedure 9.INST.58, Portable Beta-Gamma Counting Instruments	1 Each
35. Thyroid Blocking Tablets (KI) Check Expiration Date Per Step 1.9	200 Bottles
36. Radiation Monitor (Frisker)	2 Each
37. Continuous Air Monitor Particulate Filter (CNSNO 35881)	10 Each
38. Spare Batteries (9 Volt)	12 Each
39. Spare Batteries ("C" Cell)	6 Each
40. Portable Air Sampler	1 Each

2. EMERGENCY DOWNWIND SURVEY KIT SUPPLIES (two complete kits are required).

NOTE - The Downwind Survey Team Supplies (Items 1 through 13) are located in the EOF. Items 14 through 47 may be stored in the Downwind Survey Vehicles.

ITEM	QUANTITY
1. Full Face Filter Respirator	2 Each
2. Hand Lantern	1 Each
3. Spare Battery For Hand Lantern	1 Each
4. Calculator	1 Each
5. Dosimeter, Direct Reading Electronic	2 Each
6. Spare Batteries ("AA")	4 Each
7. Hand Held Radio	1 Each
8. Geiger-Mueller Survey Instrument (Range 0 to 50 mrem/hr)	1 Each
9. Ion Chamber Survey Instrument (Range 0 to 50 rem/hr)	1 Each
10. Spare Battery ("D" Cell)	4 Each
11. Spare Battery (30 Volt)	1 Each
12. Spare Battery (9 Volt)	4 Each
13. Thyroid Blocking Tablets (KI), Check Expiration Date Per Step 1.9	2 Bottles

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF

ITEM	QUANTITY
14. Low Cut Rubber Shoes	4 Each
15. 250 ml Square Bottle	6 Each
16. One Liter Bottle	4 Each
17. Masslin Cloths	1 Package
18. One-Piece Plastic Coveralls	2 Each
19. Shovel	1 Each
20. Combination Cartridge For Respirator	8 Each
21. Masking Tape	2 Rolls
22. Emergency Action Log	1 Pad
23. Procedure 9.EPIN.1, Emergency Air Samplers	1 Each
24. Plastic Sheeting	1 Roll
25. Complete Set Of EPIPs	1 Each
26. Bolt Cutters	1 Each
27. Small Plastic Bag	50 Each
28. Grass Shears	1 Each
29. Paper Coveralls	4 Each
30. 2" Air Sample Filters	1 Box
31. Silver Zeolite Cartridge, Check Expiration Date Per Step 1.10 of Attachment 6.	6 Each
32. Charcoal Cartridge	6 Each
33. 2" Millipore Air Sample Filters	1 Box
34. Air Sampler With Head	1 Each
35. Smear Book (10 Smears Per Book)	10 Each
36. Radioactive Material Sticker	50 Each
37. Sample Labels	25 Each
38. 2 cc Vial	10 Each
39. Plastic Pipet	10 Each
40. Lined Paper Pad	1 Pad
41. Clipboard	2 Each
42. 10-Mile Radius Map	2 Each
43. Site Map	1 Each
44. Large Plastic Bags	25 Each
45. Disposable Gloves	1 Box
46. Ink Pens	3 Each
47. Tweezers	1 Each

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF**3. DECONTAMINATION SUPPLIES**

NOTE - Following supplies are available in or near the EOF Decon Room.

ITEM	QUANTITY
1. Towels	10 Each
2. Soap	3 Bars
3. Septisol (Germicide)	1 Can
4. Lanolin	1 Tube
5. Swabs, Cotton Tipped, 100s	3 Packages
6. Compresses, Gauze, 3" x 3", 100s	2 Packages
7. Towels, Paper	1 Roll
8. Beaker, Plastic, 150 ml	3 Each
9. Hand Brush, Soft Bristle	2 Each
10. Soap, Pumice	2 Bars

4. FIRST AID AND RESCUE EQUIPMENT

ITEM	QUANTITY
1. First Aid Kit	1 Each
2. Stretcher	1 Each
3. Rope, 1/2" to 50'	1 Coil

ATTACHMENT 12 EMERGENCY EQUIPMENT MAINTAINED AT AEOF

1. PROTECTION EQUIPMENT AND ADMINISTRATIVE SUPPLIES

ITEM		QUANTITY
1.	Coveralls, Paper	50 Each
2.	Shoe Covers, Disposable 14"	50 Pairs
3.	Gloves, Disposable	2 Boxes
4.	Geiger-Mueller Survey Instrument (Range 0 to 50 mrem/hr)	1 Each
5.	Ion-Chamber Survey Instrument (Range 0 to 50 rem/hr)	1 Each
6.	Sample Holder With Pancake Type Detector	1 Each
7.	Scaler Electronic Package (MS-2)	1 Each
8.	Dosimeter, Direct Reading Electronic	1 Each
9.	Spare Batteries ("AA" cell)	4 Each
10.	Portable Air Sampler w/Head (High Volume) (60 Hz, 120 VAC)	1 Each
11.	Inverter (12 VDC To 120 VAC)	1 Each
12.	Filter For Air Sampler; 2"	1 Box
13.	Charcoal Cartridge For Air Sampler	5 Each
14.	Silver Zeolite Cartridge For Air Sampler, Check Expiration Date Per Step 1.10 of Attachment 6	5 Each
15.	Extension Cord, Electric (50')	1 Each
16.	Tape, Duct, 2"	3 Rolls
17.	Plastic Sheeting, 20' x 20'	2 Sheets
18.	Plastic Bag, Small	1 Box
19.	Plastic Bag, Large	6 Each
20.	Radiation Warning Sign With Appropriate Inserts	12 Each
21.	Smear Book	20 Each
22.	Radiation Barrier Rope, 200	1 Coil
23.	Radiation Warning Tape	1 Roll
24.	Hand Lantern With 6 Volt Battery	3 Each
25.	Flashlight, With Two "D" Cell Batteries	8 Each
26.	Spare Battery For Hand Lantern (6 Volt)	3 Each
27.	Spare Batteries ("D" Cell)	12 Each
28.	Pocket Knife	1 Each
29.	Small Hand Tool Kit With Straight Slot Screwdriver, Phillips Screwdriver, Small Pliers, And Small Vise Grip	1 Each
30.	Shovel	1 Each
31.	Liter Bottle	6 Each
32.	Step-Off Pad	2 Each

ATTACHMENT 12 EMERGENCY EQUIPMENT MAINTAINED AT AEOF

ITEM	QUANTITY
33. Thyroid Blocking Tablets (KI), Check Expiration Date Per Step 1.9	60 Bottles
34. Radiation Monitor (Frisker)	1 Each
35. Spare Batteries (9 Volt)	6 Each
36. Spare Batteries ("C" Cell)	12 Each
37. IDT (Information Display Terminal)	1 Each
38. Printer for IDT	1 Each
39. Laserjet Printer	1 Each
40. FAX Machine	1 Each
41. VT Display Terminal	1 Each

2. DECONTAMINATION SUPPLIES

ITEM	QUANTITY
1. 55 Gallon Radwaste Barrel With Lid	3 Each
2. Disposable Coveralls	50 Each
3. Disposable Gloves, 25 Pair/Box	2 Boxes
4. 2" Masking Tape	3 Rolls
5. Small Poly Bag	12 Each
6. Large Poly Bag	36 Each
7. Plastic Bucket	4 Each
8. Bar Soap	24 Each
9. Bath Towel	~ 50.
10. Poly Sheeting	1 Roll
11. Procedure 9.RADOP.7, Personnel Decontamination	6 Copies
12. Pumice Soap	2 Bars
13. Septisol (Germicide)	1 Can
14. Lanolin	1 Tube
15. Procedure 9.INST.58, Portable Beta-Gamma Counting Instruments	1 Each
16. Swabs, Cotton Tipped, 100s	3 Packages
17. Compresses, Gauze, 3" x 3", 100s	2 Packages
18. Towels, Paper	1 Roll
19. Breaker, Plastic 150 ml	3 Each
20. Hand Brush, Soft Bristle	10 Each

ATTACHMENT 12 EMERGENCY EQUIPMENT MAINTAINED AT AEOF

3. FIRST AID AND RESCUE EQUIPMENT

ITEM		QUANTITY
1.	First Aid Kit	1 Each
2.	Stretcher	1 Each

ATTACHMENT 13 EMERGENCY EQUIPMENT MAINTAINED FOR AMBULANCE
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ITEM	QUANTITY
1. Dosimeter, Direct Reading Electronic	5 Each
2. TLD Badge	5 Each
3. Geiger-Mueller Survey Instrument (CPM)	1 Each
4. Ion-Chamber Survey Instrument (0 to 5 rem/hr)	1 Each
5. Radiation Tag	10 Each
6. Spare Batteries ("AA" Cell)	8 Each
7. Smear Book	5 Each
8. Form CNS RP-25, TLD Badging Record	1 Each
9. Spare Batteries (9 Volt)	6 Each
10. Spare Batteries ("C" Cell)	12 Each
11. Spare Batteries ("D" Cell)	12 Each

ATTACHMENT 14 EMERGENCY EQUIPMENT MAINTAINED AT HOSPITAL

ITEM		QUANTITY
1.	Radiation Barrier Rope	1 Roll
2.	Masking Tape	10 Rolls
3.	Brown Paper	1 Roll
4.	Plastic Sheeting	1 Roll
5.	Applicable Radiation Warning Signs With Inserts, As Appropriate	5 Each
6.	Shoe Covers	15 Pairs
7.	Bags, Plastic (Large)	10 Each
8.	Bags, Plastic (Small)	20 Each
9.	Radiation Marking Tape	1 Roll
10.	Coveralls, Paper	25 Pairs
11.	Gloves, Rubber Disposable	2 Boxes
12.	Cardboard Boxes, ~ 2' x 3'	6 Each
13.	Masslin Cloths	1 Bundle
14.	Step-Off Pad	1 Each

1. DISCUSSION

1.1 Annual - Once per calendar year (January 1 through December 31).

1.2 Biennial - Once per two calendar years.

1.3 DRILLS

1.3.1 Communications Tests and Drills - Communications tests involve the use of emergency communications equipment to verify operability. Communications drills involve use of emergency communications equipment to notify and transfer simulated emergency information to off-site governmental agencies.

1.3.2 Performance Indicator (PI) (ERF) Drill - An ERF drill demonstrated various emergency response capabilities including management and coordination of emergency response, accident assessment, protective action decision-making, and plant system repair and corrective action involving all or certain Emergency Response Facilities (Control Room, Technical Support Center (TSC), Operational Support Center (OSC), and Emergency Operations Facility (EOF). These drills are conducted at least four times per calendar year and should be conducted approximately once each calendar quarter. One of these drills is designed to satisfy the requirements of an exercise as defined below. Non-exercise drills provide opportunity to consider accident management strategies. Supervised instruction can be permitted for these drills, with operating staff having the opportunity to resolve problems (success paths) rather than have controllers intervene. Additionally, non-exercise drills may focus on on-site training objectives.

1.3.3 Medical Emergency Drill - A medical emergency drill involves a simulated contaminated individual, with provisions for activation of the plant First Aid/Personnel Decontamination Team. Participation by local support services (i.e., ambulance and off-site medical treatment facility) is tested separately once per year or as part of the annual medical drill. Medical Emergency Drills are conducted at least once every calendar year.

1.3.4 Radiological Monitoring Drill - Radiological monitoring drills include collection and analysis of air samples, testing of communications, and understanding of messages between Radiological Protection supervision and the off-site monitoring teams. A radiological monitoring drill will be conducted at least once every calendar year.

- 1.3.5 Radiological Protection Drills - Radiological Protection drills test various tasks employed by that department during an emergency condition. Radiological Protection drills are conducted semi-annually and one of the semi-annual drills may be incorporated into the radiological monitoring drill.
 - 1.4 Exercise - An exercise is an event that tests the integrated capability of a major portion of the basic elements existing within the CNS Radiological Emergency Plan. An exercise is required biennially per 10CFR50. Off-site agency participation is required biennially. Exercises are developed, scheduled, and conducted in a manner consistent with the regulations and guidance of 10CFR50, Appendix E, NUREG 0654, and other appropriate regulatory documents. Biennial exercises involving off-site agencies shall be conducted as a Site Area Emergency and should escalate to General Emergency. The exercise scenarios are varied such that all major elements of the Plan are tested at least every 6 years.
 - 1.5 Letter of Agreement (LOA) - Support or assistance from outside agencies is established and maintained through Letters of Agreement or, in some instances, purchase orders/contracts. Letters of Agreement are confirmed annually through correspondence, direct contact, or by telephone. Purchase orders/contracts are renewed, as required.
 - 1.6 Monthly - At least once each calendar month, being the first day of each month until the last unless otherwise specified.
 - 1.7 Quarterly - Once per calendar quarter, with the quarters being January through March, April through June, July through September, and October through December.
 - 1.8 Semi-Annual - Twice per calendar year, with one time from January 1 to June 30 and one from July 1 to December 31.
2. RESPONSIBILITIES
- 2.1 The Emergency Preparedness Manager is responsible for:
 - 2.1.1 Planning, scheduling, and coordinating emergency exercises involving off-site agencies.
 - 2.1.2 Reviewing Attachment 1, EP Program Maintenance Checklist, upon completion.
 - 2.1.3 Reviewing results of exercises and major drills.

ATTACHMENT 15 INFORMATION SHEET

- 2.2 The Vice President Plant Support, with plant management, is responsible for ensuring adequate resources are made available to support and conduct emergency preparedness activities including:
 - 2.2.1 Exercises and drill scenario development and control.
 - 2.2.2 Exercise and drill participation.
 - 2.2.3 Support for maintenance of emergency facilities and equipment.
- 2.3 The Site Oversight Review Committee (SORC) is responsible to review the following:
 - 2.3.1 Revisions to the CNS Radiological Emergency Plan.
 - 2.3.2 Revisions to Emergency Plan Implementing Procedures (EPIPs) not approved via the IQR/IQA process.
 - 2.3.3 Quarterly PI Drill Critique Report.
- 2.4 The Emergency Preparedness (EP) Manager is responsible for:
 - 2.4.1 Maintaining awareness of EP activities.
 - 2.4.2 Ensuring coordination of EP drills and exercises in accordance with this procedure.
 - 2.4.3 Ensuring documentation of EP Program maintenance in Attachment 1, EP Program Maintenance Checklist.
 - 2.4.4 Ensuring documentation of major element demonstration as indicated on Attachment 3, Emergency Plan 6 Year Element Demonstration.
 - 2.4.5 Ensuring critiques of exercises, drills, and actual events are conducted, documented, and that deficiencies are addressed in accordance with plant corrective action practices.
 - 2.4.6 Ensuring that EPIPs are reviewed through feedback from the following sources:
 - 2.4.6.1 Daily use.
 - 2.4.6.2 Drills and exercises.
 - 2.4.6.3 Actual events.

2.4.6.4 Training.

2.4.6.5 Annual EPIP review as indicated on Attachment 4, EPIP Annual Review.

3. REFERENCES

3.1 CODES AND STANDARDS

3.1.1 NPPD Emergency Plan for CNS.

3.1.2 NUREG 0654, Revision 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.

3.1.3 10CFR50, Domestic Licensing of Production and Utilization Facilities.

3.1.4 Generic Letter # GL 93-01, Emergency Response Data System Test Program.

3.2 PROCEDURES

3.2.1 Administrative Procedure 0-EP-02, Configuration Control of The Automated Notification System (ANS).

3.2.2 Administrative Procedure 0-PI-01, Performance Indicator Program.

3.2.3 Radiological Protection Procedure 9.EPIN.1, Emergency Air Samplers.

3.2.4 Radiological Protection Procedure 9.INST.58, Portable Beta-Gamma Counting Instruments.

3.2.5 Radiological Protection Procedure 9.RADOP.7, Personnel Contamination.

3.3 MISCELLANEOUS

3.3.1 EPDG #2, Emergency Preparedness Department Guide #2.

3.3.2 RCR 2002-0014.

3.3.3 QA Finding 92-1900-24.

3.3.4 RCR 2001-0075 (QA Audit 01-01).

ATTACHMENT 15 INFORMATION SHEET

3.3.5 RCR 2002-0520 (QA Audit 02-03).

3.3.6 RCR 2002-0606.

3.3.7 © SCR 2002-2290, Action #17. Affects EPDG #2, Attachment B-6 and Attachment 2, Step 1.11.

3.4 NRC COMMITMENTS

3.4.1 © NUREG-0737, Item III.D.3.4, Section 5.2, Emergency Provisions (LQA 8000581-11). Commitment affects Step 30 on Attachment 7.

3.4.2 © NRC Inspection Report 01-04 (NLS2001081). Commitment affects Step 2.4.1 on Attachment 2.