



Nebraska Public Power District
Nebraska's Energy Leader

NLS2003002

January 10, 2003

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

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

Pursuant to the requirements of 10 CFR 50, Appendix E, Section V, "Implementing Procedures," Nebraska Public Power District is transmitting the following Emergency Plan Implementing Procedure (EPIP):

EPIP 5.7.21

Revision 26

"Maintaining Emergency Preparedness -
Emergency Exercises, Drills, Tests, and
Evaluations"

Should you have any questions concerning this matter, please contact me.

Sincerely,



J. A. Hutton
Plant Manager

/nr
Enclosure

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USNRC - Region IV

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Records w/o enclosure

A045

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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 NL&S Manager at Cooper Nuclear Station of any questions regarding this document or any associated regulatory commitments.

COMMITMENT	COMMITTED DATE OR OUTAGE
None	

<u>CNS OPERATIONS MANUAL</u> EPIP PROCEDURE 5.7.21	USE: INFORMATION ⊕ EFFECTIVE: 12/30/02 APPROVAL: SORC/IQA OWNER: S. C. REZAB DEPARTMENT: EP
MAINTAINING EMERGENCY PREPAREDNESS - EMERGENCY EXERCISES, DRILLS, TESTS, AND EVALUATIONS	

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1. PURPOSE

This procedure provides instructions for documenting the completion of periodic surveillances, tests, drills, and training. Periodic test and reviews of components of the Emergency Planning Program (e.g., facilities, equipment, Emergency Plan, and Emergency Plan Implementing Procedures, etc.) are conducted to ensure availability, operability, and reliability.

2. SENIOR MANAGER OF SITE 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 that have 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.
 - 2.3.2 Emergency Action Levels (EALs).
- 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 towards 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 multiple scope 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 activated 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 (at least one per year should be manual).
 - 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 5, 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 Off-Site Agencies Communications Drill Date: _____
- 1.5 Annual Unannounced Communications Drill Date: _____
- 1.6 Annual Medical Drill Date: _____
- 1.7 Emergency Plan Review
 - 1.7.1 Emergency Plan Review (Annual) Date: _____
 - 1.7.2 Letters of Agreement Certification (Annual Confirmation) Date: _____
 - 1.7.3 EPIP Review (Annual) Date: _____
- 1.8 Media Day (Annual) Date: _____
- 1.9 Public Information Brochure (Annual) Date: _____
- 1.10 Review and update 6 Year Plan (Annual) (include Attachment 3, Emergency Plan 6 Year Element Demonstration) Date: _____
- 1.11 Significant Emergency Plan/EPIP Changes, Emergency Action Levels (EALs) Meeting with State/County Emergency Management (Annual) Date: _____
- 1.12 Hospital Training (Annual) Date: _____

ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST

Year: _____

1.13 Off-Site Agency Training (Annual)

1.13.1 Nebraska Date: _____

1.13.2 Missouri Date: _____

1.13.3 Iowa Date: _____

1.13.4 Kansas Date: _____

1.13.5 Local Agencies Date: _____

1.14 Annual Training Review of ERO

1.14.1 Solicit verification of annual ERO training completion from the Training Department. Date: _____

1.14.2 Review training completion feedback and remove any ERO members not qualified. Date: _____

1.15 EP Department Training Review (Annual) Date: _____

Completed By: _____ Date: _____
Emergency Preparedness Coordinator

Reviewed By: _____ Date: _____
Emergency Preparedness Manager

ATTACHMENT 2 QUARTERLY EP MAINTENANCE CHECKLIST

Quarter: _____

Year: _____

2. STAFF AUGMENTATION METHODOLOGIES

2.1 Weekly Pager Test (EPDG #2 E-4)

- 2.1.1 Week 1 Date: _____
- 2.1.2 Week 2 Date: _____
- 2.1.3 Week 3 Date: _____
- 2.1.4 Week 4 Date: _____
- 2.1.5 Week 5 Date: _____
- 2.1.6 Week 6 Date: _____
- 2.1.7 Week 7 Date: _____
- 2.1.8 Week 8 Date: _____
- 2.1.9 Week 9 Date: _____
- 2.1.10 Week 10 Date: _____
- 2.1.11 Week 11 Date: _____
- 2.1.12 Week 12 Date: _____
- 2.1.13 Week 13 Date: _____

2.2 Quarterly Review and Update of Emergency Telephone Directory Date: _____

2.3 Quarterly Performance Indicator (PI) Drill and Critique Report Date: _____

2.3.1 Quarterly Trend Report (Drill Critique and Issue Review per EPDG # 2, Section H-1, Drill and Exercise Manual)© Date: _____

2.4 Quarterly Off-Hours ERO Call-in Phone Test or Staff Augmentation Drill Date: _____

2.5 Quarterly Self-Assessment Date: _____

3. QUARTERLY SUBMITTAL OF EP PERFORMANCE INDICATORS

3.1 Participation Date: _____

3.2 Drill and Exercise Performance Date: _____

3.3 Alert and Notification System Date: _____

ATTACHMENT 2 QUARTERLY EP MAINTENANCE CHECKLIST

Quarter: _____

Year: _____

NOTES:

**ATTACHMENT 3 EMERGENCY PLAN 6 YEAR ELEMENT
DEMONSTRATION**

ELEMENT	YEAR LAST PERFORMED	YEAR NEXT SCHEDULED	COMPLETION DATE
Two off hours staffing Exercises (6 p.m. - 4 a.m.) one must 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			
Unannounced off hours drill including Staff Augmentation			

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			
5.7.22	Communications			
5.7.23	Activation of the JIC			
5.7.24	Medical Emergency			

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)			

ATTACHMENT 5 EP EXERCISE CHECKLIST

- Year: _____
- 1. Exercise Date Selection 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 (EMA) Date: _____
 - 6.2 Provided to Missouri EMA 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)

1. INSTRUCTIONS

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

1.1.1 The Radiological Protection Department is responsible for the inventory of emergency equipment listed on Attachments 7, 8, 10, 11, 12, 13, and 14.

1.1.2 The Maintenance Department is responsible for the inventory of emergency rescue equipment listed on Attachment 9.

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)

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

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, 12 Per Box)	1 Box
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 Per Box)	1 Box

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 0-1,000 rem/hr)	1 Each
5. Ion-Chamber Survey Instrument (Range 0-50 rem/hr)	1 Each
6. Geiger-Mueller Survey Instrument (Range 0-50 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	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
30. Spare Batteries ("D" Cell, 12 Per Box)	1 Box

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF

ITEM	QUANTITY
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. Gieger-Mueller Survey Instrument (Range 0-50 mrem/hr)	1 Each
9. Ion Chamber Survey Instrument (Range 0-50 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
14. Low Cut Rubber Shoes	4 Each

ATTACHMENT 11 EMERGENCY EQUIPMENT MAINTAINED AT EOF

ITEM	QUANTITY
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	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 Label	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

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" - 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. Gieger-Mueller Survey Instrument (Range 0-50 mrem/hr)	1 Each
5. Ion-Chamber Survey Instrument (Range 0-50 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	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)	1 Box
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)	1 Box

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

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

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 (0-5 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)	1 Box

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.

- 2.2 The Senior Manager of Site 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).
 - 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 QA Finding 92-1900-24.

3.3.2 RCR 2002-0014.

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

ATTACHMENT 15 INFORMATION SHEET

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

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

3.3.6 RCR 2002-0606.

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 2.3.1 on Attachment 2.