

ATTACHMENT 1

CONTROLLED COPY NO: 19
TO: USNRC Document Control Desk

DOCUMENT CHANGE NOTICE NO. 170

Date: 2/25/09

From: YNPS Administration Department

Document: IMPLEMENTING PROCEDURES TO THE ISFSI EMERGENCY PLAN

Instructions:

1. Enter the attached documents in your manuals and/or files, discard all obsolete copies, and return this form to the ISFSI Office Administrator at Yankee-Rowe within 30 calendar days.

2. SAFEGUARDS INFORMATION DOCUMENTS

ALL OBSOLETE copies shall be returned to the ISFSI Shift Supervisor (ISS) at Yankee Rowe for SHREDDING. SAFEGUARDS INFORMATION documents shall be hand-to-hand delivered or enclosed in two properly sealed and addressed envelopes. Return this form to the ISFSI Office Administrator.

DESCRIPTION OF CHANGE: **ISSUANCE:** Implementing Procedures to the ISFSI E-Plan

TABLE OF CONTENTS REV. 170 DATED 2/24/09

Please inset the attached procedures:

OP-12 Rev. 8 ISFSI Emergency Plan Facility / Equipment Surveillances

Thank you.

Please sign and return this form to Karen Sucharzewski @ Yankee Rowe. Thank you.

The above documents have been entered in the applicable manual and/or files and all Obsolete copies have been discarded or identified as obsolete. SAFEGUARDS INFORMATION documents will be handled per #2 above.

Signature

Date

DOCKET NO. 50-29
LICENSE NO. DPR-3

NM5501
AX45
NRA

YANKEE NUCLEAR POWER STATION
IMPLEMENTING PROCEDURES TO THE EMERGENCY PLAN
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Rev. 170

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ATTACHMENT 2

**YANKEE ATOMIC ELECTRIC COMPANY
ISFSI PROCEDURE**

**ISFSI EMERGENCY PLAN FACILITY / EQUIPMENT
SURVEILLANCES
OP-12
Rev. 8**

Preparer: Ken Kwontkoski Date: 2-8-09
(Include any additions, deletions, or changes to the Routine Activity Database)

ISFSI Routine Activity Database Assessment	
Affected Routine Activity Items	N/A
NA if no activities are affected by this procedure. Attach revised or marked up RAI sheets for review.	

10CFR50.59 / 10CFR72.48 ASSESSMENT		
10CFR50.59 SCREEN REQUIRED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10CFR50.59 EVALUATION REQUIRED (NO. _____)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10CFR72.48 SCREEN REQUIRED?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10CFR72.48 EVALUATION REQUIRED (NO. _____)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

REVIEWER SECTION		
<input type="checkbox"/> QUALITY ASSURANCE REVIEW SIGNATURE	N/A	DATE: _____
<input type="checkbox"/> RADIATION PROTECTION REVIEW SIGNATURE	N/A	DATE: _____
<input checked="" type="checkbox"/> TECHNICAL REVIEW SIGNATURE	<i>Jim Kennedy</i>	DATE: <u>2-09-09</u>
<input type="checkbox"/> INDEPENDENT SAFETY REVIEW SIGNATURE	N/A	DATE: _____

APPROVAL SECTION	
ISFSI MANAGER/DESIGNEE SIGNATURE/DATE:	
<i>R. M. McFall</i>	<u>2/9/09</u>

ISFSI EMERGENCY PLAN FACILITY / EQUIPMENT SURVEILLANCES

1.0 PURPOSE

This procedure ensures that emergency plan facilities and equipment associated with the Yankee-Rowe ISFSI are maintained in a state of readiness.

2.0 DEFINITIONS

None

3.0 REFERENCES

- 3.1. Yankee Atomic Electric Company Emergency Plan
- 3.2. SP-07 "Communications"
- 3.3. Deleted
- 3.4. AD-07, "Corrective Action Program"

4.0 RESPONSIBILITIES

- 4.1. The ISFSI Manager (or designee) has the responsibility for the following items:
 - 4.1.1. Ensure that the facilities/equipment covered by this procedure are kept in a state of readiness and repair.
 - 4.1.2. All affected emergency facilities/equipment will be checked for readiness within ten working days following the return to normal operation after an emergency activation or completion of an exercise/drill.

5.0 DISCUSSION

- 5.1. Emergency Response Facility communications systems shall be tested monthly utilizing Attachment 1.
- 5.2. Emergency Response Facility (ERF) emergency equipment shall be inventoried, inspected and tested semi-annually utilizing Attachment 2.
 - 5.2.1. Thermoluminescent dosimeters (TLDs) are changed out semi-annually. Survey instruments and Pocket Ion Chamber (PIC) dosimeters are changed out based on calibration due dates unless otherwise directed by the ISFSI Radiation Protection Manager (or designee).

- 5.3. Emergency Response Facility documents shall be inventoried semi-annually utilizing Attachment 3.
- 5.4. On-shift ISFSI personnel are responsible for completing Attachments 1 and 3 at the required frequency. Contracted RP support personnel are responsible for completing Attachment 2 at the required frequency. Attachments will be completed and submitted to the ISFSI Manager (or designee) for review. The ISFSI Manager (or designee) will be responsible for ensuring that all discrepancies are addressed in a timely manner.

6.0 PROCEDURE

- 6.1. Perform an inventory and/or checkout the facilities, equipment and supplies as follows:
 - 6.1.1. Monthly operability test of Emergency Response Facility communications equipment per Attachment 1.
 - 6.1.2. Semi-Annual inventory, inspection and readiness check of Emergency Response Facility emergency equipment per Attachment 2.
 - 6.1.3. Semi-Annual inventory of Emergency Response Facility documents per Attachment 3.
- 6.2. Forward the completed forms to the ISFSI Manager (or designee) for review.

7.0 SUMMARY OF CHANGES

- 7.1. Added guidance for Monthly Off-Site Pager Test to Attachment 1.
- 7.2. Eliminated section 2 of attachment 3 that inventoried "working copies" of procedures in the SAS area.
- 7.3. Deleted reference 3.3 and revised section 6.1.

8.0 ATTACHMENTS

- 8.1. Attachment 1 – Monthly ERF Communications Test
- 8.2. Attachment 2 – Semi-Annual ERF Equipment Inventory, Inspection and Readiness Checks
- 8.3. Attachment 3 - Semi-Annual ERF Document Inventory

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

A. SITE TELEPHONE SYSTEM

1. Site

Dial the following SAS extension from Ext. 311:

- **313 SAS COMPLEX DESK SAT UNSAT**

2. Verizon

NOTE: If a busy signal is received, the site telephone system may have that line in use, attempt testing that line at a later time.

Check the operation of the following outside lines: (from the SAS direct line, 424-5455, dial **424-5261 Ext 311** to talk to the SAS Officer.)

- **424-5261 Ext 311 SAT UNSAT**
- **424-5262 Ext 311 SAT UNSAT**
- **424-5263 Ext 311 SAT UNSAT**
- **424-7604 Ext 311 SAT UNSAT**
- **424-5297 Ext 311 SAT UNSAT**
- **424-5473 Ext 311 SAT UNSAT**
- **424-7602 Ext 311 SAT UNSAT**
- **424-7673 Ext 311 SAT UNSAT**

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

B. FEDERAL TELECOMMUNICATION SYSTEM (FTS)

NOTE

Both phones are on the same line (i.e., both will ring at the same time).

1. Verify that all FTS telephones have a dial tone:

SAS Complex Desk

- FTS (700-661-5251) SAT UNSAT

SAS Console

- FTS (700-661-5251) SAT UNSAT

2. From a FTS telephone, call the NRC by dialing **1-301-816-5100** and state the following:

- a. Name
- b. Location
- c. Fact that telephone is being tested
- d. Request a call back to the telephone being tested (answer from the FTS phone)

SAT UNSAT

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

C. VERIFY COMMUNICATIONS WITH STATE EMERGENCY OPERATING CENTERS

NOTE

Alternate phone numbers are also found in SP-07 Att # 7.

CENTER	TELEPHONE NO.	CIRCLE APPLICABLE	COMMENTS
MEMA			
Framingham, MA	(800) 982-6846	SAT/UNSAT	
Framingham, MA	(508) 820-2000	SAT/UNSAT	
Agawam, MA	(413) 821-1500	SAT/UNSAT	
VEMA			
Waterbury, VT	(802) 244-8727	SAT/UNSAT	
Waterbury, VT	(802) 244-7814	SAT/UNSAT	
Rockingham, VT	(802) 257-7101	SAT/UNSAT	

D. SATELLITE PHONE – EXTENSIONS

NOTE

- The satellite extensions are located in the SAS area. These two phones are on the same line (i.e., both will ring at the same time).

The following guidelines should be utilized for the purpose of periodic testing the satellite phones so as not incur unnecessary usage costs.

1. For outbound testing:
 - a. Perform steps b through e for the satellite (base unit) phones.
 - SAS Complex Desk Extensions SAT UNSAT
 - SAS Console Extension SAT UNSAT
 - b. Pick up the handset of one of the satellite (extension) phones.
 - c. Dial: **0-0-1-480-752-5105**
 - d. You should hear a recorded message confirming that your satellite phone is working.
 - e. Hang up the phone.

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

2. For inbound testing:
- a. From any Yankee telephone system extension, dial the satellite phone number:
- 8-1-480-456-8033**
- b. Verify that both satellite phones ring - **do not** answer them!
- c. Hang up the regular landline phone.
- SAS Complex Desk Extension SAT UNSAT
 - SAS Console Extension SAT UNSAT

E. VERIFY SATELLITE CALL FORWARDING STATUS

NOTE

Calls placed to the four satellite phones should be answered by an automated message stating: "The subscriber is not answering"; the call ***should not*** transfer to voice mail.

Turn ON or verify ON all portable satellite phones. From any non-Iridium phone, dial the Satellite telephone numbers below and verify that the call forwarding feature is ***disabled***.

- | | |
|---|---|
| SAS Console Base Unit # 8-480-456-8033 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-480-456-8034 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-480-456-8035 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-480-456-8036 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

F. FACSIMILE MACHINE

NOTE

A fax machine is set up in the SAS Complex at 424-7061. For testing purposes, Admin fax number is 424-5395.

1. Send a test sheet from one machine to another (Refer to transmitting instructions at the machine)
2. Check the reproduction quality of the receiving machine:

Transmit from SAS Complex SAT UNSAT

Receive at SAS Complex SAT UNSAT

G. OFF-SITE PAGER TEST

NOTE

Initiate the pager test on the designated day between **1920 and 1930 hours** or as directed by the ISFSI Shift Supervisor.

General

1. A monthly pager response test is conducted for the Yankee-Rowe Emergency Response Organization (ERO) pager holders. The SAS Operator will normally activate the pagers.
2. Following activation of the pagers, ERO personnel are required to call the site.
3. The SAS operator will be answering the calls and recording the response times or other pertinent information.
4. If no call back is received within 30 minutes of initial pager activation, the SAS Operator should attempt to contact the unresponsive pager holders by telephone.

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

Pager Test

1. Record the date and time and SAS Operators name on the contact table below.
2. Activate the pagers by performing the following from a touch tone phone:
 - a. Dial Group Pager number 8-1-802-786-3485.
 - b. After the recorded prompt dial 13*9#.
 - c. After the recorded message, hang-up. (The test code has been transmitted.).
 - d. If the above steps fail, use the 24-hour emergency service, as follows:
 1. Dial 8-1-802-931-0019.
 2. The Operator will ask for pager number: Enter 7863485
 3. The Operator will ask for a message: Enter 13*9#.
 4. The Operator will transmit the message.

Instructions for answering calls:

1. Determine who is calling and note time next to name.
2. Tell people calling due to pager activation:

"This is a Yankee-Rowe pager response test. No further action is required."

If questioned about the need for further response actions, tell them:

"This is only a test. DO NOT report to the Emergency Response Facility."

3. If no call back is received after 30 minutes from the initial pager activation, then attempt to contact unresponsive pager holders by telephone.

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

Test Date/Time: _____ / _____

SAS Operator: _____ / _____

Time SAS Called	Time Called In	Individual (Pager No.)	Home Tel. No.	Remarks
		Yorke, D. (802-786-3463)	802-694-1377	
		Snyder, T. (802-786-3130)	339-4240	
		Debay, M. (802-786-3159)	802-442-6702	
		Kennedy, J. (802-786-3328)	802-464-5194	
		Kuzontkoski, K. (802-786-3194)	413-768-8879	
		Sampson, D. (802-786-4853)	413-522-2995	
		Schmidt, M. (802-786-3293)	664-8795	
		Plumb, W. (802-786-3058)	802-368-7402	
		Mitchell, R. (802-786-3042)	508-756-9199	
		Crosier, C. (802-786-4768)	339-4833	
		Levesque, D. (802-786-3036)	413-446-0097	

4. Have the ISFSI Shift Supervisor review results of this surveillance when completed.

ATTACHMENT 1
MONTHLY ERF COMMUNICATION TESTS

H. DOCUMENT ANY DISCREPANCIES AND CORRECTIVE ACTIONS:

If communications systems discrepancies are found and unable to be corrected within 48 hours, consult with ISFSI Management to initiate a document to track discrepancies.

DISCREPANCIES NOTED	CORRECTIVE ACTIONS TAKEN

Remarks:

Completed by: _____

_____ Date

Reviewed by: _____

ISFSI Shift Supervisor

_____ Date

Reviewed by: _____

ISFSI Manager

_____ Date

ATTACHMENT 2
SEMI-ANNUAL ERF EQUIPMENT INVENTORY, INSPECTION AND READINESS
CHECKS

A. ISFSI EMERGENCY EQUIPMENT INVENTORY

A "check" indicates that inventory/supplies are adequate, equipment is in ready-to-use condition and dosimetry/instruments calibration due dates >6 months away. Refer to Section B for specific instrument check guidance. Document any discrepancies and corrective actions in Section C.

<u>Qty</u>	<u>Item</u>
___ 11	Thermoluminescent Dosimeters (TLDs)
___ 4	Control TLDs
___ 13	Pocket Ion Chambers (PICs)
___ 4	PIC charger (check batteries for leakage)
___ 3	Contamination Survey Instruments (GM Frisker with probe)
___ 2	High Range Gamma Survey Instruments (PIC-6 or equivalent)
___ 2	Low Range Gamma Survey Instruments (BICRON or equivalent)
___ 1	110vac Air Sampler
___ 2	12vdc Air Samplers
___ 1	Battery Booster Pack
___ 3	Air Sampler Kits (filters, envelopes, tweezers, ziplock bags)
___ 6 pr	Paper Coveralls
___ 6	Head Covers (cloth)
___ 6 pr	Shoe Covers (plastic or rubber)
___ 6 pr	Surgeons Gloves (or rubber gloves)
___ 4	Containers of Decontamination Wipes
___ 4	Rad Bags (for disposal of decon materials)

ATTACHMENT 2
SEMI-ANNUAL ERF EQUIPMENT INVENTORY, INSPECTION AND READINESS
CHECKS

B. ISFSI EMERGENCY EQUIPMENT INSPECTION/READINESS CHECKS

GM Frisker Checks:

NOTE

Check source required for meter response checks. All checks to be performed with instrument unplugged from AC power.

1. Verify Calibration due date >6mos away. If not, change out instrument.
2. Unplug instrument from AC supply and perform Battery check. If not OK, change out batteries or instrument.
3. Using a check source, perform Response check. If not OK, change out instrument.
4. Perform Test Mode check. If not OK, change out instrument.
5. Perform Alarm check. If not OK, change out instrument.
6. Plug instrument into AC supply.

Gamma Survey Instrument Checks:

NOTE

Check source required for meter response checks.

1. Verify Calibration due date >6mos away. If not, change out instrument.
2. Perform Battery check. If not OK, change out batteries or instrument.
3. Using a check source, perform Response check. If not OK, change out instrument.

ATTACHMENT 2
SEMI-ANNUAL ERF EQUIPMENT INVENTORY, INSPECTION AND READINESS
CHECKS

DC Air Sampler Checks:

NOTE

DC Air Sampler requires use of battery booster pack.

1. Verify Calibration due date >6mos away. If not, change out unit.
2. Unplug battery booster pack from AC power and perform Battery check. If not OK, replace unit.
3. Connect battery booster pack to air sampler and perform Operability check. If not OK, change out air sampler.
4. Plug battery booster pack into AC supply.

AC Air Sampler Checks:

1. Verify Calibration due date >6mos away. If not, change out unit.
2. Plug air sampler into AC supply and perform Operability check. If not OK, change out air sampler.
3. Unplug air sampler from AC supply.

ATTACHMENT 2
SEMI-ANNUAL ERF EQUIPMENT INVENTORY, INSPECTION AND READINESS
CHECKS

C. DOCUMENT ANY DISCREPANCIES AND CORRECTIVE ACTIONS:

DISCREPANCIES NOTED	CORRECTIVE ACTIONS TAKEN

Completed by: _____

_____ Date

Reviewed by: _____

_____ Date

ISFSI Shift Supervisor

Reviewed by: _____

_____ Date

ISFSI Manager

ATTACHMENT 3
SEMI-ANNUAL ERF DOCUMENT INVENTORY

A. ISFSI EMERGENCY RESPONSE FACILITY INVENTORY

1. Controlled Manual Inventory (ISS Office/ SAS Area)
 - a. Contact Admin to determine current revision number in effect for each controlled manual and document on table below.
 - b. Verify proper revision of each controlled manual is located in ISS Office/ SAS Area and document on table below.
 - c. If any revision is different, then correct the discrepancy or contact Admin for assistance.

Controlled Manual Title	Current Revision	Revision in bookcase	Comments
E-Plan (Copy 9)			
E-Plan Implementing Procedures (Copy 5)			
ISFSI Procedures (Copy 2)			

Remarks:

Completed by: _____

_____ Date

Reviewed by: _____

ISFSI Shift Supervisor

_____ Date

Reviewed by: _____

ISFSI Manager

_____ Date