

ATTACHMENT 1

**CONTROLLED COPY NO:** 19  
**TO:** USNRC Document Control Desk

DOCUMENT CHANGE NOTICE NO. 173

Date: 2/9/10

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

List of Effective Pages/Index DCN No. 173 2/9/10

Please inset the attached procedures.

List of Effective Pages/Index

OP-12, Rev. 11 ISFSI Emergency Plan Facility / Equipment Surveillances

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

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

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LICENSE NO. DPR-3

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**YANKEE NUCLEAR POWER STATION  
IMPLEMENTING PROCEDURES TO THE EMERGENCY PLAN  
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**TABLE OF CONTENTS**

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**IMPLEMENTING PROCEDURES**

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**ATTACHMENT 2  
YANKEE ATOMIC ELECTRIC COMPANY  
ISFSI PROCEDURE**

**ISFSI EMERGENCY PLAN FACILITY/ EQUIPMENT  
SURVEILLANCES  
OP-12  
Rev. 11**

Preparer: Ken Kuzontkaski Date: 1-11-10  
(Include any additions, deletions, or changes to the Routine Activity Database)

ISFSI Routine Activity Database Assessment	
Affected Routine Activity Items	N/A RAI 457
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 <u>N/A</u>	DATE: _____
<input type="checkbox"/> RADIATION PROTECTION REVIEW SIGNATURE <u>N/A</u>	DATE: _____
<input checked="" type="checkbox"/> TECHNICAL REVIEW SIGNATURE <u>Mark E DeBoy</u>	DATE: <u>01/13/10</u>
<input type="checkbox"/> INDEPENDENT SAFETY REVIEW SIGNATURE <u>N/A</u>	DATE: _____

APPROVAL SECTION	
ISFSI MANAGER/DESIGNEE SIGNATURE/DATE: <u>R.M. Mitchell</u> <u>1-25-2010</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. Amended inventory items to Attachment 2.

## **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

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**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

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**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
<u>MEMA</u>			
Framingham, MA	(800) 982-6846	SAT/UNSAT	
Framingham, MA	(508) 820-2000	SAT/UNSAT	
Agawam, MA	(413) 821-1500	SAT/UNSAT	
<u>VEMA</u>	(800) 347-0488	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*** by allowing the call to ring until the following message is received, "*The subscriber is not answering.*"

- |   |   |
|---|---|
| SAS Console Base Unit # 8-1-480-456-8033    | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-1-480-456-8034 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-1-480-456-8035 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |
| Portable Satellite Phone # 8-1-480-456-8036 | <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT |

**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.

**ATTACHMENT 1**  
**MONTHLY ERF COMMUNICATION TESTS**

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. 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. (Equipment may be located in RP Kits, RP Locker or on TLD Board.)

√	QTY.	ITEM	√	QTY.	ITEM
	11	Thermoluminescent Dosimeters (TLD's) (Located on TLD Board)		1	Battery Booster pack
	4	Control TLD's (Located on TLD Board)		3	Air Sampler Kits (filters, envelopes, tweezers, ziplock bags)
	13	Pocket Ion Chambers (PIC's) (Located on TLD Board)		6 pr.	Paper Coveralls
	4	PIC Charger (Check batteries for leakage)		6	Head Covers (cloth)
	3	Contamination Survey Instruments (GM frisker w/ probe)		6 pr.	Shoe Covers (plastic or rubber)
	2	High Range Gamma Survey Instruments (PIC-6 or equivalent)		6 pr.	Surgeons Gloves (Or rubber gloves)
	2	Low Range Gamma Survey Instruments (Bicron or equivalent)		4	Containers of Decontamination Wipes
	1	110vac Air Sampler		4	Rad Bags (for disposal of decon materials)
	2	12vdc Air Samplers		9	EO-01 "Emergency Plan Implementation" (3 copies in E-Kit AC; 3 copies in E-Kit DC and 3 copies in Emergency Equipment Locker.)
	15	Copies of RP-02 "Radiological Surveys & Postings" (5 copies to E-Kit AC; 5 copies to E-Kit DC; 5 copies to Emergency Equipment Locker)			

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**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.

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**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: \_\_\_\_\_

ISFSI Shift Supervisor

\_\_\_\_\_ Date

Reviewed by: \_\_\_\_\_

ISFSI Manager

\_\_\_\_\_ Date

**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.

<b>Controlled Manual Title</b>	<b>Current Revision</b>	<b>Revision in bookcase</b>	<b>Comments</b>
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