

GRAND GULF NUCLEAR STATION EIE SUBMISSION

DATE	November 18, 2008
TO	DOCUMENT CONTROL DESK
FROM	GRAND GULF NUCLEAR STATION
LICENSE NUMBER	NPF-29
DOCKET NUMBER	50-416
TITLE	GRAND GULF NUCLEAR STATION EMERGENCY PREPAREDNESS PROCEDURE 10-S-01-33, REVISION 17, EMERGENCY OPERATIONS FACILITY (EOF) OPERATION
NUMBER OF PAGES	24
FORMAT	PDF – SEARCHABLE IMAGE (EXACT)
RESOLUTION	300 DPI
REGULATION GOVERNING SUBMISSION	10CFR50.4(b)(5)
SUBMISSION CONTACT INFORMATION	ANN M MARSHALL PH 601-437-6486 EMAIL: ATOWNSE@ENTERGY.COM

PLANT OPERATIONS MANUAL

Volume 10
Section 01

10-S-01-33
Revision: 017

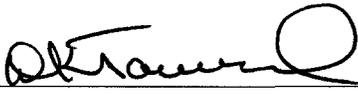
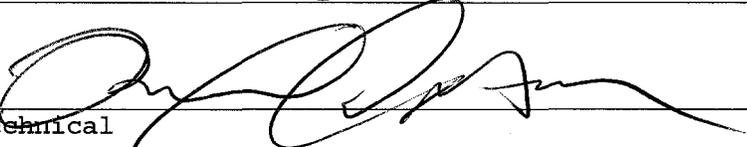
Date: 11-4-08

REFERENCE USE

EMERGENCY PLAN PROCEDURE

EMERGENCY OPERATIONS FACILITY (EOF) OPERATION

SAFETY RELATED

Prepared: 
Reviewed: 
Approved: 
Manager, Emergency Preparedness

List of Effective Pages:

Pages 1-19

Attachments I - II

List of TCNs Incorporated:

<u>Revision</u>	<u>TCN</u>
0	None
1	1
2	None
3	2
4	None
5	3
6	None
7	4
8-017	None

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: i
---	-----------------	---------------	---------

RPTS FORM

REQUIRED REVIEW PERFORMED (Check all that apply)	<input checked="" type="checkbox"/> PAD (EN-LI-100)	<input type="checkbox"/> 50.59 Screen/Evaluation (EN-LI-101)
Transmit applicable Review Form as a separate record along with procedure to Document Control.	<input type="checkbox"/> 72.48 Screen/Evaluation. (EN-LI-112)	<input checked="" type="checkbox"/> 50.54 Evaluation (ENS-NS-210)
	<input type="checkbox"/> PAD Not Required(EN-LI-100 or 01-S-02-3) <input type="checkbox"/> Process Applicability Excluded <input type="checkbox"/> Editorial Change <input type="checkbox"/> ISI/IST Implementation <input type="checkbox"/> TCN Incorporation or Auto Rev. <input type="checkbox"/> Other Process-Number: _____ PAD Reviewer: _____/_____ (for PAD Not Required) Signature/Date <input type="checkbox"/> NONE Programmatic Exclusion (EN-LI-100)	

Cross-Discipline review required?	() Yes	(Note affected Departments Below)
	(X) No	
Preparer Initials>>>	WKT	

Department Cross-Discipline Reviews Needed	Signoff (signed, electronic, telcon)

Does this directive contain Tech Spec Triggers? () YES (X) NO

REQUIREMENTS CROSS-REFERENCE LIST

Requirement Implemented Name	by Directive Paragraph Number	Directive Paragraph Number That Implements Requirement
GGNS Emergency Plan	7.3.3.S9, S10	6.2.1
	7.3.3.S11 & S12	6.2.1
CR 98-1411	CA #9	Note (2.0)
		Note (2.2.1)
EN-NS-102	5.13[6] (c) (d)	6.2.6.c

* Covered by directive as a whole or by various paragraphs of the directive.

NOTE

The Equipment Database (EDB) Request statement is applicable only to Volume 06 and 07 maintenance directives.

EDB Change Request generated and the backup documentation available for setpoint and/or calibration data only Yes N/A EDBCR # _____

Current Revision Statement

Revision 017

- Adds note that allows the facility to be activated/made operational, during a security event, without key members being present.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 1
--	-----------------	---------------	---------

TABLE OF CONTENTS

	<u>Page</u>
1.0 PURPOSE AND DISCUSSION	2
2.0 RESPONSIBILITIES	2
3.0 REFERENCES	8
4.0 ATTACHMENTS	8
5.0 DEFINITIONS	8
6.0 DETAILS	9
6.1 Personnel Duties	9
6.2 Activation	10
6.3 EOF Habitability/Isolation/Frisking/Decontamination	14
6.4 Briefings	16
7.0 BACKUP EOF (BEOF)	16
7.1 Location	16
7.2 Activation of the BEOF	17
7.3 Set-up	18
7.4 Staffing	19
7.5 Security	19
7.6 Operation	19

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 2
--	-----------------	---------------	---------

1.0 PURPOSE AND DISCUSSION

1.1 Purpose

- 1.1.1 To provide instructions for the activation and operation of the Emergency Operations Facility (EOF) and Backup Emergency Operations Facility (BEOF), in support of the Grand Gulf Nuclear Station Emergency Plan.

2.0 RESPONSIBILITIES

NOTE

The OEC must turnover responsibilities to a qualified individual before leaving the EOF when he/she has responsibility for Emergency Direction and Control (i.e., the OEC must be available immediately to make Protective Action Recommendations (PARS) and make decisions relating to notification of offsite authorities).

2.1 Offsite Emergency Coordinator (OEC)

- 2.1.1 The OEC is the Vice President, Operations or alternate. The OEC is responsible for:
- a. The overall emergency response effort.
 - b. Classifying the emergency in accordance with reference 3.4
 - c. Providing needed plant support (local, state, and federal) via the emergency organization.
 - d. Providing guidance to the Emergency Director as appropriate.
 - e. Assuring continuity of technical, administrative, and material resources throughout the emergency.
 - f. Management level interface with governmental authorities.
 - g. Making Protective Action Recommendations (PARS) to state and local agencies after the EOF is operational and has assumed this responsibility from the TSC or Control Room.
 - h. Initiating the recovery phase of the emergency in accordance with reference 3.2.
 - i. Authorizing the use of KI (if necessary) in accordance with reference 3.1.

NOTE

Emergency Response personnel who must leave their assigned location temporarily must inform their immediate superior of their locations, destination and estimated time of return (with the exception of the OEC).

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 3
--	-----------------	---------------	---------

2.2 Radiation Emergency Manager (REM)

- 2.2.1 The REM reports directly to the OEC. The REM is responsible for:
- a. Arranging offsite environmental and radiological support.
 - b. Briefing incoming environmental and radiological support personnel and helping them provide assistance to the emergency effort.
 - c. Supervision and direction of radiological assessment personnel in the EOF.
 - d. Dose projection, dose assessment, field monitoring activities and EOF radiological surveys.
 - e. Coordinating dose projection, dose assessment and field monitoring activities with state efforts.
 - f. Developing Protective Action Recommendations (PARs).
 - g. Informing State Radiological Assessment Officers (SRAOs) of radiological status and PARs.
 - h. Consulting with RPM on plant, radiological, and meteorological data and PARs.
 - i. Ensuring that radiological assessment area is operational.
 - j. Advising OEC when ready to perform radiological monitoring and assessment and develop PARs.
 - k. Verifying EOF habitability. Announce habitability results to EOF.
 - l. Advising State Radiological Assessment Officers (SRAO) and RPM when EOF is operational.
 - m. Consulting with RPM on plant status and corrective actions.
 - n. Briefing radiological assessment staff.
 - o. Briefing state/local representatives and providing 10CFR19 briefing as appropriate.
 - p. Reviewing radiological EALs for correct classification.
 - q. Checking radiological data for SRAO trigger points.
 - r. Reviewing dose calculation data.
 - s. Advising OEC if EOF habitability is threatened.
 - t. Advising OEC of significant met/rad change.
 - u. Reviewing Emergency Notification Forms.
 - v. Assigning qualified individuals to perform decontamination, if required.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 4
--	-----------------	---------------	---------

2.2.1 (Cont.)

- w. Contacting SRAOs within 30 minutes to ensure they understand any PARs issued.
- x. Posting PAR implementation status on radiological status board when advised by OEC.

2.3 Emergency Support Manager Responsibilities

2.3.1 The Emergency Support Manager reports to the EOF Administrative Director. The Emergency Support Manager is responsible for procuring emergency equipment, supplies and services for GGNS during a declared emergency.

2.4 Radiological Assessment Coordinator (RAC)

2.4.1 The RAC reports to the REM and is responsible for:

- a. Technical direction of the radiological assessment effort, including dose calculations, radiological monitoring and environmental sampling.
- b. Assist the REM in developing PARs.
- c. Ensuring the Health Physics Network (HPN) phone is manned when requested by the NRC.
- d. Verifying that radiological equipment is functional.
- e. Checking with REM on event status, meteorological, and radiological conditions.
- f. Reviewing EOF habitability survey results.
- g. Noting time for next Emergency Notification Form.
- h. Ensuring the Radiological Status Board is properly updated.
- i. Briefing REM on current dose projections.
- j. Consulting with the Plume Tracking Specialist on OMT dose margins.
- k. Preparing met/rad portion of Emergency Notification Form for REM approval.
- l. Reviewing incoming radiological data for SRAO trigger points.
- m. Obtaining current and forecast weather conditions.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 5
--	-----------------	---------------	---------

2.5 Radiological Assessment Dose Calculations (EOF)

2.5.1 The Radiological Assessment Dose Calculator (EOF) reports to the RAC and is responsible for the following:

- a. Verifying current dose projections from TSC.
- b. Performing dose calculations as data is received.
- c. Informing RAC of trends or significant changes in dose projections.

2.6 Plume Tracking Specialist (PTS)

2.6.1 The PTS reports to the RAC and is responsible for:

- a. Forming, dispatching and controlling Offsite Monitoring Teams (OMTs).
- b. Reporting data, received from the OMTs, to the Radiological Assessment Dose Calculator (EOF).
- c. Testing radio operability.
- d. Ensuring OMT members are issued emergency dosimetry and offsite monitoring equipment.
- e. Consulting with RAC to determine appropriate survey locations and potential radiological hazards to be encountered.
- f. Determining each OMT member's administrative exposure limit and their remaining dose margin in accordance with reference 3.5.
- g. Closely monitoring the team's exposure to airborne radioactive materials and contamination. Prescribing additional personnel protective measures as necessary.
- h. Briefing RAC on the status of the OMT member's accumulated exposure and any recommended protective measures.
- i. Advising OMTs of anticipated plume intensity.
- j. Rotating OMTs as necessary.

2.7 Offsite Monitoring Teams (OMTs)

2.7.1 The OMTs report to the PTS and are responsible for conducting offsite radiological monitoring and collecting environmental samples.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 6
--	-----------------	---------------	---------

2.8 EOF Habitability Specialist

2.8.1 The Habitability Specialist reports to the RAC and is responsible for:

- a. Conducting radiological monitoring in the EOF.
- b. Maintaining the EOF Radiological Status Board.
- c. Setting up frisking stations in the EOF.
- d. Advising REM/RAC of survey results.
- e. Issue KI when directed by REM.

2.8.2 The Habitability Specialist assumes the duties of the Health Physics Network Communicator when requested by the REM/RAC.

2.9 EOF Administrative Director

2.9.1 The EOF Admin. Director reports to the OEC and is responsible for:

- a. Initiating and completing each Emergency Notification Form.
- b. Ensuring that notifications are completed in required time.
- c. EOF communications and other administrative interfaces.
- d. Answering questions related to actions required by the Emergency Plan, implementing procedures or state/local Emergency Plans.
- e. Providing logistical support to offsite agencies and contractors.
- f. Assigning Lead Communicator.

2.10 EOF Communicator

2.10.1 The EOF Communicator reports to the EOF Admin. Director and is responsible for:

- a. Operation of the EOF communications system.
- b. Maintaining logs and records of all official communications in the EOF.
- c. Transmitting the Emergency Notification Form to state and local agencies via the OHL.
- d. Synchronizing EOF clocks with TSC.
- e. Requesting copies of all Emergency Notifications from TSC.
- f. Supplying copies of each notification to the OEC, REM, and Tech/Eng Support Manager.
- g. Initiating message log and retention file.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 7
--	-----------------	---------------	---------

2.10.1 (Cont.)

- h. Advising State, Local and Federal EOCs when EOF is operational.

2.11 OEC Technical Assistant (OECTA)

2.11.1 The OEC Tech Assist. reports to the OEC and is responsible for:

- a. Ensuring compliance with appropriate procedures and federal regulations.
- b. Checking EALs for proper event classification; reviewing Emergency Notification Forms; consulting with Tech/Engineering Support Manager on plant conditions and support needs; and consulting with plant licensing to ensure that proposed response options are in compliance with appropriate procedures and federal regulations.

2.12 EOF Facility Coordinator

2.12.1 The EOF Facility Coordinator reports to the EOF Admin Director and is responsible for:

- a. Operating EOF systems and equipment, as directed.
- b. If electrical power fails, verify the Emergency Diesel Generator System operations.
- c. If directed to isolate EOF, checking fans and damper positions; checking filters for proper operations, securing boundary doors; and directing facility or equipment maintenance, as requested.

2.13 Food and Lodging Coordinator

2.13.1 The Food and Lodging Coordinator reports to the EOF Admin Director and is responsible for:

- a. Conducting breath analyses.
- b. Arranging food and lodging, as necessary.
- c. Access control for facility.

2.14 EOF Information Specialist

2.14.1 The EOF Information Specialist reports to the Company Spokesperson and is responsible for the collecting and transmitting technically accurate information to the Company Spokesperson, or designee, during emergency events.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 8
--	-----------------	---------------	---------

2.15 Minimum EOF Staffing

2.15.1 Individuals filling a "Minimum EOF Staffing" position are required to promptly sign in on the EOF status board when reporting to the EOF. "Minimum EOF Staffing" positions are normally contained within a red outlined box on the EOF status board. When the last position is filled to meet minimum staffing, the individual filling that position is responsible for informing the Offsite Emergency Coordinator that minimum staffing is met.

3.0 REFERENCES

- 3.1 Emergency Plan Procedure 10-S-01-20, Administration of Thyroid Blocking Agents
- 3.2 Emergency Plan Procedure 10-S-01-22, Recovery
- 3.3 Emergency Preparedness Procedure 10-S-02-3, Emergency Preparedness Form Control.
- 3.4 Emergency Plan Procedure 10-S-01-1, Activation of the Emergency Plan
- 3.5 Emergency Plan Procedure 10-S-01-17, Emergency Personnel Exposure Control
- 3.6 Emergency Plan Procedure 10-S-01-14, Emergency Radiological Monitoring
- 3.7 Emergency Plan Procedure 10-S-01-26, Offsite Emergency Response
- 3.8 Emergency Preparedness Instruction 10-S-04-1, Emergency Operations Facility Equipment

4.0 ATTACHMENTS

- 4.1 Attachment I - Map to Baxter Wilson Steam Electric Station
- 4.2 Attachment II - Manual Whole-Body Frisking Instructions

NOTE

Checklists are performance aids; they are intended to assist and aid ERO personnel in the performance of their tasks. Completion of checklists is not mandatory. These forms are stored in storage bins and the applicable forms for each position at the position's location.

5.0 DEFINITIONS

- 5.1 BEOF - Backup Emergency Operations Facility
- 5.2 ENMC - Emergency News Media Center
- 5.3 ENS - Emergency Notification System
- 5.4 EOC - Emergency Operations Center
- 5.5 EOF - Emergency Operations Facility

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 9
--	-----------------	---------------	---------

- 5.6 EPP - Emergency Plan Procedure
- 5.7 EPZ - Emergency Planning Zone
- 5.8 FEMA - Federal Emergency Management Agency
- 5.9 HPN - Health Physics Network
- 5.10 HVAC - Heating, Ventilation, and Air Conditioning
- 5.11 MDRH - Mississippi Department of Radiological Health
- 5.12 NRC - Nuclear Regulatory Commission
- 5.13 OMT - Offsite Monitoring Team
- 5.14 PAR - Protective Action Recommendation
- 5.15 PTS - Plume Tracking Specialist
- 5.16 RAC - Radiological Assessment Coordinator
- 5.17 REM - Radiation Emergency Manager
- 5.18 SRAO - State Radiological Assessment Officer
- 5.19 SRO - Senior Reactor Operator
- 5.20 OEC - Offsite Emergency Coordinator
- 5.21 ED - Emergency Director
- 5.22 CEC - Corporate Emergency Center
- 5.23 EAL's - Emergency Action Levels
- 5.24 KI - Potassium Iodide

6.0 DETAILS

6.1 Personnel Duties

- 6.1.1 Personnel assigned to the EOF or BEOF should be knowledgeable of and comply with personnel access and Fitness for Duty requirements.
- 6.1.2 Personnel assigned to the EOF or BEOF should maintain logs of their activities.
 - a. Log entries need not duplicate information contained in messages, status reports, etc., but should contain a chronological history of actions, decisions, and important communications which occur.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 10
--	-----------------	---------------	----------

NOTE

The OEC may delegate log keeping responsibilities to the OEC Technical Assistant.

6.1.3 Personnel assigned to the EOF should sign in on the EOF Personnel Status Board upon arrival in the EOF.

- a. The EOF Admin Director ensures that the status board is completed.

6.2 Activation

NOTE

During a Security Event, the facility may be activated / made operational without all key members being present. This will be determined by the most senior staff person in the facility.

6.2.1 The EOF may be activated at any time, and shall be activated at an Alert, Site Area Emergency, and General Emergency. Once activated, the EOF shall become operational as soon as possible (without delay). When facility staffing can be accomplished with onsite personnel, it is the goal to become operational within 45 minutes. Otherwise, when personnel staffing the facility are offsite, the facility shall be fully operational in 90 minutes.

6.2.2 To be declared operational the EOF must be available to and capable of performing the following functions:

- a. Manage the overall emergency effort and response resources.
- b. Provide radiological effluent and environs monitoring and assessment and offsite dose projections. If the EOF Dosecalc computer is out of service the EOF may still be declared operational if dose calculations are being performed outside the EOF.
- c. Notify federal, state, and local Emergency Response Organizations.
- d. Provide recommendations to state and local agencies for public protective actions.
- e. Assessment and classification of the emergency.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 11
--	-----------------	---------------	----------

6.2.3 The minimum EOF staffing required for the EOF to be declared operational is as follows:

- a. Offsite Emergency Coordinator
- b. One of the following:
 - (1) Radiological Emergency Manager, or
 - (2) Radiological Assessment Coordinator, or
 - (3) Radiological Assessment Dose Calculator (EOF)
- c. Plume Tracker
- d. Offsite Monitoring Team as follows:
 - (1) One monitor
 - (2) One driver/assistant
- e. Two communicators

6.2.4 Declaring the EOF Operational

- a. Declare the EOF operational when EOF staff is available and capable of performing the items listed in 6.2.2. The OEC informs the EOF Staff when the EOF is operational.
- b. EOF personnel receive turnover from personnel (TSC or Control Room) with current responsibility for the items listed in 6.2.2 using available communication equipment.
- c. As soon as possible, assume responsibility for the items listed in 6.2.2 from TSC or Control Room personnel.
- d. The OEC informs the ED when the EOF has assumed responsibility for the items listed in 6.2.2.
- e. The EOF Admin Director notifies the ENMC that the EOF is operational.
- f. The EOF Communicator notifies the TSC Communicator, state, local, and federal EOC's that the EOF is operational.

6.2.5 EOF Access Controls

- a. Access is limited to the following personnel:
 - (1) Members of the Emergency Response Organization whose name appears on the current Fitness for Duty List located at the EOF Entrance counter.
 - (2) State, Federal, and Local agency personnel displaying appropriate picture ID.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 12
--	-----------------	---------------	----------

6.2.6 Access to EOF

NOTE

The facility may be secured due to radiological release or if Food/Lodging Coordinator leaves the post.

- a. Perform the following:
- (1) Lock the doors with the Master Key located in the Key Storage Area.
- b. To grant access:
- (1) The person requesting access must state name and social security number if he/she is an Entergy employee. If the person is a State or Federal employee, he/she must state name and agency employed with.
 - (2) Verify the Entergy personnel name and social security number with the EOF Identification Book. State or Federal personnel must present identification badge for verification.
 - (3) Press the crash bar to release the door lock.
 - (4) If the State/Federal employee does not have proper identification, the OEC, EOF Administrative Director, OEC Technical Assistant, or Technical/Engineering Support Manager must approve entry.
 - (5) After verifications, personnel retrieve facility badge and sign in on EOF Monitoring Log.
 - (6) During after hours, ask Entergy employee if they have consumed alcohol in the past five hours. If the answer is yes, the person must sign consent to test form.
 - (7) If alcohol has not been consumed, the person may proceed to retrieve facility badge and sign in on EOF Monitoring Log.
- c. Fitness for Duty
- (1) Entergy Operations personnel assigned to the EOF reporting for duty are asked if they have consumed alcohol within the previous five hours.

If the answer is No, they are issued a badge and allowed unescorted access. If the answer is Yes, a consent to test form is presented to the individual for signature. The individual is provided with an escort while in the EOF until a breath test can be performed.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 13
--	-----------------	---------------	----------

6.2.6.c (Cont.)

- (2) If the Food and Lodging Coordinator is not available to perform breath test, Security must be contacted. The test is completed as soon as possible after the individual in question arrives at the EOF and has signed the consent form.
- (3) The Food and Lodging Coordinator performs breath analysis as follows:
 - (a) Verify operability of breath analysis equipment.
 - (b) Complete consent to test documentation.
 - (c) Conduct breath test.
 - (d) Attach test record data to consent to test.
 - (e) Present documentation to the EOF Administrative Director.
- (4) If the presence of alcohol is detected:
 - (a) If the results of the breathalyzer indicate .04 or above the individual will not be allowed to assume any EOF duties. Individuals in this classification that assume EOF duties without notifying the EOF Food and Lodging Coordinator or the OEC will be subject to for cause testing and the associated sanctions.
 - (b) If the results are between .01 and .039 the OEC may authorize the individual to assume EOF duties.
 - (1) Additional tests may be performed at periodic e.g., five [5] minute) intervals to determine if the alcohol level is rising or declining.
 - (c) The alcohol reading above the BAC cut-off will not be considered a positive test under this call-out process. Repeated failures to remain fit for duty while in a defined on-call status may result in the individual being referred to the EAP for evaluation or disciplinary action.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 14
---	-----------------	---------------	----------

6.3 EOF Habitability/Isolation/Frisking/Decontamination

6.3.1 EOF Habitability

Radiological Condition	Action Level	Actions to be taken
1. Radiological Release	Confirmed Release	<ul style="list-style-type: none"> Establish contamination controls Notify OEC
2. Radiological Release	Confirmed Release with Potential to Affect EOF	<ul style="list-style-type: none"> Establish contamination controls Notify OEC Recommend isolation of EOF <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Verify that all EOF personnel have signed in on the EOF Personnel Monitoring Log <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Increase Monitoring frequency
3. Direct External Radiation Exposure (Inside EOF)	≥ 0.5 mRem/hour external γ <p style="text-align: center;"><u>or</u></p> ≥ 0.5 mRem/hour external β <p style="text-align: center;"><u>or</u></p> any increase in dose rates above background	<ul style="list-style-type: none"> Perform all actions section 1 above <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Verify levels using other available instrumentation <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Notify RPM
	≥ 100 mRem/hour external γ <p style="text-align: center;"><u>or</u></p> ≥ 500 mRad/hour external β	<ul style="list-style-type: none"> Perform all actions section 1 above <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Verify levels using other available instrumentation Notify RPM Recommend to OEC that EOF be evacuated Issue Self Reading Dosimeters
4. Airborne Iodine Concentration inside EOF	$\geq 1.0 \times 10^{-8}$ $\mu\text{Ci/cc}$	<ul style="list-style-type: none"> Perform all actions section 1 above <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Verify levels using other available instrumentation Notify RPM
	$\geq 2.4 \times 10^{-7}$ $\mu\text{Ci/cc}$	<ul style="list-style-type: none"> Perform all actions section 1 above <p style="text-align: center;"><u>and</u></p> <ul style="list-style-type: none"> Verify levels using other available instrumentation Notify RPM Recommend to OEC that EOF be evacuated

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 15
--	-----------------	---------------	----------

6.3.2 EOF Radiological Monitoring

- a. The EOF Habitability Specialist performs periodic measurements of radioactive airborne, surface contamination, general area radiation levels if a radioactive release has occurred or as directed by the RAC.
- b. Tasks
 - (1) The EOF Habitability Specialist ensures that radiological surveys of the EOF are performed upon activation of the EOF, whenever a radiation monitor alarms, or as directed by the RAC. If the EOF installed radiation monitoring instrumentation is inoperable, these surveys must be performed at least once per hour.
 - (2) Radiological Monitoring is performed in accordance with reference 3.6.
 - (3) Report results of habitability surveys to the Radiological Assessment Coordinator.

6.3.3 EOF Isolation

- a. The OEC, upon consultation with the REM, may recommend isolation of the EOF. The OEC directs isolation as follows:
 - (1) The OEC tells the EOF Administrative Director to coordinate the EOF isolation.
 - (2) The EOF Administrative Director tells the EOF Facility Coordinator to isolate the EOF.
 - (3) The EOF Facility Coordinator isolates the EOF in accordance with the Reference 3.8.

6.3.4 Frisking (Personnel and Materials Contamination Monitoring)

- a. Frisking is required to limit the introduction of radioactive contamination into the EOF.
- b. A "frisker" station must be set up at the ground level entrance in accordance with EOF Radiological Monitor Checklist (Form EPP 33-10). This station should accommodate personnel arriving at the EOF from outside and inside the ESC.
- c. All personnel entering the EOF must perform a whole body frisk.
- d. All material is frisked before it can be brought into the EOF.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 16
--	-----------------	---------------	----------

6.3.4 (Cont.)

- e. See Attachment II for Frisking Instructions.

NOTE

The REM may waive frisking requirements based on actual or potential release conditions.

6.3.5 Personnel Decontamination

- a. Decontamination of EOF personnel must be performed by knowledgeable people designated by the REM.
- b. Personnel decontamination is documented on Personnel Contamination Report. (These forms are located in the EOF decon shower.)
- c. If the contaminated person is injured, decontamination procedures are postponed until injuries demanding immediate care are attended to. The REM should contact the TSC and arrange for Plant Staff Health Physics assistance.
- d. Operation of the decontamination shower is addressed in the EOF Systems Manual.
- e. Cases of significant levels or persistent external contamination or any real or suspected internal contamination must be reported to the REM immediately.

6.4 Briefings

- 6.4.1 The OEC is briefed by the REM and the EOF Administrative Director on the status of the emergency and the capability of the EOF to start operations.
- 6.4.2 The OEC briefs the EOF staff on plant status and corrective actions in progress and identifies offsite response actions required to support the plant.
- 6.4.3 The OEC briefs the state, local and federal agency representatives on the status of the emergency and corrective actions in progress.
- 6.4.4 The REM ensures that 10CFR19 Indoctrination Briefings, as necessary, are conducted in accordance with reference 3.7.

7.0 BACKUP EOF (BEOF)7.1 Location

- 7.1.1 The BEOF is located at the Baxter Wilson Steam Electric Station in Vicksburg. See Attachment I for map.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 17
--	-----------------	---------------	----------

7.2 Activation of the BEOF

- 7.2.1 If the EOF is not habitable or cannot perform its required functions, the OEC directs the activation of the BEOF.
- 7.2.2 The OEC ensures that the Shift Supervisor at Baxter Wilson Steam Electric Station is notified. The BWSES Shift Supervisor has custody of the BEOF keys and will provide them to persons listed on the BEOF Access List.
- 7.2.3 When relocating personnel from the EOF to the BEOF, the OEC:
- a. Requests from the Radiation Emergency Manager, a determination on the acceptability of normal egress routes from the site.
 - b. Transfers the following functions to the TSC prior to EOF deactivation:
 - (1) Command and Control
 - (2) Communication with federal, state and local agencies
 - (3) Radiological Assessment and Protective Action Recommendations
 - (4) Emergency Classification/Assessment
 - c. Transfers the following functions to the OSC prior to EOF deactivation:
 - (1) Dispatch of OMTs
 - (2) Control of OMTs
 - d. Ensures the offsite agencies supporting the emergency response and all Emergency Response Facilities are notified of the move.
 - e. Ensures all logbooks, current paperwork and position badges are taken to the BEOF.
- 7.2.4 Prior to leaving the EOF, the EOF communicator will:
- a. Contact the TSC Communicator and discuss status of current notifications to federal, state and local agencies.
 - b. Transfer responsibilities for notifications of federal, state and local agencies to TSC.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 18
--	-----------------	---------------	----------

7.3 Setup

- 7.3.1 Upon arrival at the BEOF, the Emergency Support Manager ensures the BEOF is set up using the BEOF SETUP CHECKLIST (Form EPP 33-14 or similar). The EOF Administrative Director is to be advised when the setup is completed.
- 7.3.2 The following personnel report to the BEOF and assist the Emergency Support Manager in the BEOF setup:
- a. EOF Facility Coordinator
 - b. Food and Lodging Coordinator
 - c. EOF Communicators
- 7.3.3 The dry erase boards are used to display information normally displayed on the EOF status boards.
- 7.3.4 Upon arrival the EOF Communicator:
- a. Contacts the TSC Communicator and discusses the status of current notification to federal, state and local agencies.
 - b. Requests that TSC fax copies of any notifications made to state and local agencies not carried to BEOF.
 - c. Provides notification status and forms to EOF Administrative Director.
- 7.3.5 The EOF Administrative Director upon arrival:
- a. Reviews the BEOF Setup Checklist with the Emergency Support Manager.
 - b. Reviews the status of current notification of federal, state and local agencies from the EOF Communicator.
 - c. Reviews BEOF Staffing Requirements (Form EPP 33-13), and ensures the BEOF is appropriately staffed.
 - d. Brief the OEC on overall BEOF status.
- 7.3.6 The REM upon arrival:
- a. Contacts the RPM and obtain plant status, radiological data, meteorological data, and PARs
 - b. Ensures the Radiological Assessment Dose Calculator (EOF) locates and uses the Dosecalc computer.
 - c. Ensures the Plume Tracker establishes communications with the OMT.
 - d. Briefs the OEC on Radiological Assessment status.
- 7.3.7 EOF Engineering (Civil, Electrical, and Mechanical) may access needed plant diagrams/drawings via IDEAS on the receptionist's computer.

Title: Emergency Operations Facility (EOF) Operations	No.: 10-S-01-33	Revision: 017	Page: 19
--	-----------------	---------------	----------

7.4 Staffing

- 7.4.1 Due to space limitations, the BEOF will be staffed in accordance with the BEOF Staffing Requirements (Form EPP 33-13).
- 7.4.2 The Offsite Monitoring Teams (OMTs) are controlled by the Operations Support Center (OSC). Communications between the OMTs and the OSC will be maintained until the BEOF is declared operational.

7.5 Security

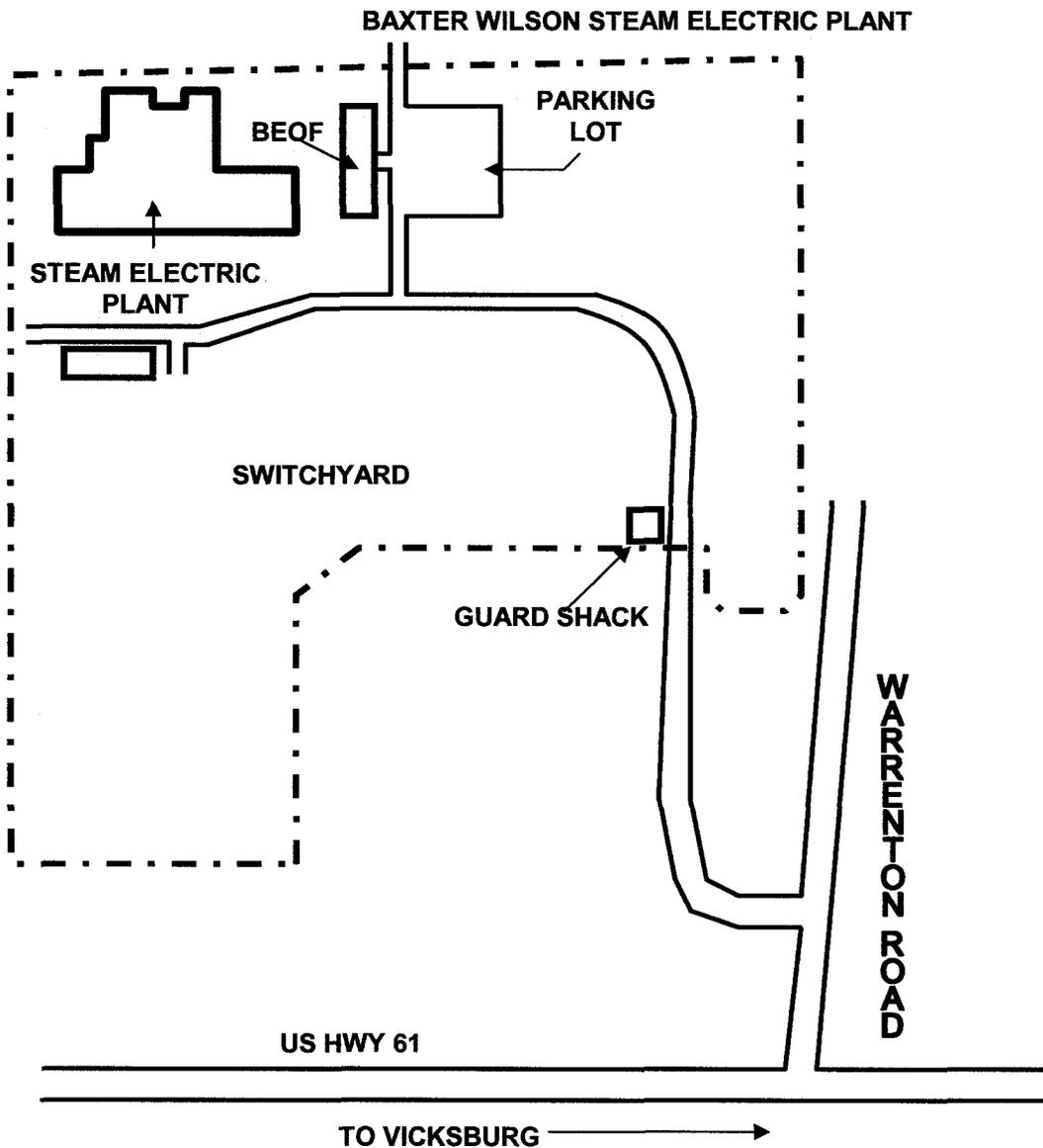
- 7.5.1 Industrial security and access control for the BEOF are established at the Baxter Wilson gate. No further security measures are required.

7.6 Operation

- 7.6.1 The OEC declares the BEOF operational when:
- a. Sufficient personnel are present to man the minimum BEOF staffing requirements.
 - b. Advised by the EOF Administrative Director that the BEOF is ready to perform notifications to federal, state, and local agencies.
 - c. Advised by the REM that the BEOF is ready to perform Offsite Radiological Assessment.
 - d. Advised by the EOF Administrative Director that the BEOF is physically ready to support operation.
- 7.6.2 After declaring the BEOF operational:
- a. Transfer the following functions from the TSC to the BEOF:
 - (1) Command and Control
 - (2) Communications with federal, state and local agencies
 - (3) Radiological Assessment
 - b. Transfer the following functions from the OSC to the BEOF:
 - (1) Dispatch of OMTs
 - (2) Control of OMTs

10-S-01-33	Revision: 017
Attachment I	Page 1 of 1

MAP TO BAXTER WILSON STEAM ELECTRIC STATION



10-S-01-33	Revision: 017
Attachment II	Page 1 of 1

MANUAL WHOLE-BODY FRISKING INSTRUCTIONS

1. Check frisker for the following:
 - a. Frisker is turned "ON."
 - b. Range Selector switch is in the "X1" position.
 - c. Response Selector switch is in the "SLOW" position.
 - d. Volume control is turned up so that an audible count rate is heard.
2. The probe should be held about 1/2-inch from the surface being surveyed. The probe speed should be approximately 1 to 2 inches per second.
3. The following guidelines should be followed for frisking:
 - a. Without picking up probe, carefully frisk both sides of hands (5 secs per hand).
 - b. Pick up probe and frisk head and/or hard hat (5 seconds).
 - c. Frisk face, paying careful attention to nose and mouth (5 secs - minimum).
 - d. Frisk neck, holding probe next to neck (5 secs - minimum).
 - e. Frisk front of trunk, paying careful attention to chest/stomach area (5 secs - min).
 - f. Frisk remainder of body - arms, legs, knees, buttock and back (about 2 mins).
 - g. Frisk bottom of feet (5 secs per foot).
 - h. Return probe to face up or side position for the next person.
4. While frisking, listen for an audible increase in the count rate. The audible response is much faster than the meter response, and therefore alerts you to the presence of contamination much sooner. If an increase in the audible count rate is detected, resurvey that particular area again.
5. If the frisker indicates 100 cpm (or greater) above background, REMAIN AT THE FRISKER and have someone contact EOF HABITABILITY SPECIALIST for assistance.

NOTE

A proper Whole-Body Frisk will take approximately 3 minutes to perform correctly.

Materials Frisking

- (1) Perform steps 1 and 2 of whole body Frisking instructions.
- (2) Listen for audible increase in count rate.
- (3) If the frisker indicates 100 cpm (or greater) above background, contact the Habitability Specialist for assistance.