

444 South 16th Street Mall
Omaha NE 68102-2247

November 4, 2002
LIC-02-0126

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Reference: Docket No. 50-285

SUBJECT: Transmittal of Changes to Emergency Plan Implementing Procedures (EPIP)

In accordance with 10 CFR 50.54(q), 10 CFR 50, Appendix E, Section V, and 10 CFR 50.4(b)(5), please find EPIP change packages enclosed for the Document Control Desk (holder of Copy 165) and the NRC Region IV Plant Support Branch Secretary (holder of Copies 154 and 155).

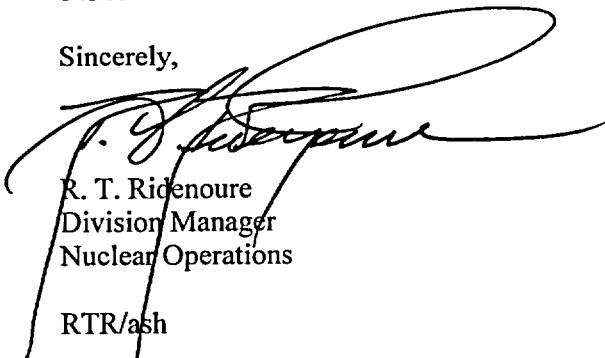
The document update instructions and summary of changes are included on the Confirmation of Transmittal form (Form EP-1) attached to each controlled copy change package. Please return the Confirmation of Transmittal forms by December 27, 2002.

The revised documents included in the enclosed package are:

EPIP Index pg 1 issued 10/29/02
EPIP OSC-21 R12 issued 10/29/02
EPIP-TSC-1 R23 issued 10/29/02
EPIP-EOF-1 R13 issued 10/29/02

If you have any questions regarding the enclosed changes, please contact Mr. Carl Simmons at (402) 533-6430.

Sincerely,



R. T. Ridenoure
Division Manager
Nuclear Operations

RTR/ash

Enclosures

c: NRC Region IV Plant Support Branch Secretary (2 sets)
Alan Wang, NRC Project Manager (w/o enclosures)
J. G. Kramer, NRC Senior Resident Inspector (w/o enclosures)
Winston & Strawn (w/o enclosures)
Emergency Planning Department (w/o enclosures)

A045

OMAHA PUBLIC POWER DISTRICT
Confirmation of Transmittal for
Emergency Planning Documents/Information

- | | | |
|--|---|---|
| <input type="checkbox"/> Radiological Emergency Response Plan (RERP) | <input checked="" type="checkbox"/> Emergency Plan Implementing Procedures (EPIP) | <input type="checkbox"/> Emergency Planning Forms (EPF) |
| <input type="checkbox"/> Emergency Planning Department Manual (EPDM) | <input type="checkbox"/> Other Emergency Planning Document(s)/ Information | |

Transmitted to:

Name: Document Control Desk Copy No: 165 Date: _____
Plant Support Branch Secretary Copy No: 154
Plant Support Branch Secretary Copy No: 155

The following document(s) / information are forwarded for your manual:

REMOVE SECTION

EPIP Index pg 1 issued 07/09/02
EPIP-OSC-21 R11 issued 11/27/01
EPIP-TSC-1 R22 issued 02/04/02a
EPIP-EOF-1 R12 issued 08/24/00a

INSERT SECTION

EPIP Index pg 1 issued 10/29/02
EPIP OSC-21 R12 issued 10/29/02
EPIP-TSC-1 R23 issued 10/29/02
EPIP-EOF-1 R13 issued 10/29/02

Summary of Changes:

EPIP-EOF-1 R13 was revised to delete step requiring synchronizing clocks to the ERF since we now use atomic clocks. EPIP-OSC-21 R12 was revised to delete step requiring synchronizing clocks to the ERF since we now use atomic clocks. EPIP-TSC-1 R23 was revised to delete step requiring synchronizing clocks to the ERF since we now use atomic clocks.



Supervisor - Emergency Planning

I hereby acknowledge receipt of the above documents/information and have included them in my assigned manuals.

Signature: _____ Date: _____

Please sign above and return by 12/27/02 to:

Beth Nagel
Fort Calhoun Station, FC-2-1
Omaha Public Power District
444 South 16th Street Mall
Omaha, NE 68102-2247

NOTE: If the document(s)/information contained in this transmittal is no longer requested or needed by the recipient, or has been transferred to another individuals, please fill out the information below.

- Document(s)/Information No Longer Requested/Needed
 Document(s)/Information Transferred to:

Name: _____ Mailing Address: _____

Document	Document Title	Revision/Date
EPIP-OSC-1	Emergency Classification	R35 05-02-02
EPIP-OSC-2	Command and Control Position Actions/Notifications	R40 02-04-02
EPIP-OSC-9	Emergency Team Briefings	R7 12-09-99
EPIP-OSC-15	Communicator Actions	R22 10-24-00
EPIP-OSC-21	Activation of the Operations Support Center	R12 10-29-02
EPIP-TSC-1	Activation of the Technical Support Center	R23 10-29-02
EPIP-TSC-2	Catastrophic Flooding Preparations (R0 03-22-95) DELETED (05-09-95) REINSTATED	R2 02-06-96
EPIP-TSC-8	Core Damage Assessment	R14 01-19-01
EPIP-EOF-1	Activation of the Emergency Operations Facility	R13 10-29-02
EPIP-EOF-3	Offsite Monitoring	R17 12-07-01
EPIP-EOF-6	Dose Assessment	R32 01-23-02
EPIP-EOF-7	Protective Action Guidelines	R13 10-31-00b
EPIP-EOF-10	Warehouse Personnel Decontamination Station Operation	R10 01-13-00a
EPIP-EOF-11	Dosimetry Records, Exposure Extensions and Habitability	R18 09-18-97b

Distribution Authorized

This procedure does not contain any proprietary information, or such information has been censored. This issue may be released to the public document room. Proprietary information includes personnel names, company telephone numbers, and any information, which could impede emergency response.

WP8

Fort Calhoun Station
Unit No. 1

EPIP-EOF-1

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: ACTIVATION OF THE EMERGENCY OPERATIONS FACILITY

FC-68 Number: EC 31020

Reason for Change: Delete step requiring synchronizing clocks to the ERF since we now use atomic clocks.

Requestor: Rhonda Hankins

Preparer: Rhonda Hankins

ACTIVATION OF THE EMERGENCY OPERATIONS FACILITY

NON-SAFETY RELATED

1. PURPOSE

- 1.1 This procedure provides a checklist to complete for activation and deactivation of the Emergency Operations Facility (EOF).

2. REFERENCES/COMMITMENT DOCUMENTS

None

3. DEFINITIONS

- 3.1 Activated - minimum staffing and basic setup requirements have been attained to allow the EOF to provide limited support to the Control Room and/or the TSC.

- 3.2 Augmented - A facility is augmented when all augmenting and minimum staffing positions are filled.

4. PREREQUISITES

None

5. PROCEDURE

NOTE: The Emergency Director is responsible for completion of this procedure. The Emergency Director may assign this task to other members of the EOF staff.

- 5.1 Upon reporting to the EOF, activate the EOF using Attachment 6.1.

- 5.2 Upon event termination, deactivate the EOF per Attachment 6.2.

6. ATTACHMENTS

- 6.1 Checklist for Activation of The EOF:

- 6.2 Checklist for Deactivation of The EOF:

Attachment 6.1 - Checklist for Activation of the EOF

Page 1 of 1

NOTE: It is the goal of Omaha Public Power District (OPPD) to activate the EOF within one hour following declaration of an Alert or higher emergency classification. In the event of adverse weather and/or other conditions that may limit or slow response, either manmade or natural, it is understood that staffing time may exceed this goal.

(✓) INIT/TIME

1. Verify the following minimum staffing positions are available:

- Emergency Director
- Protective Measures Manager or EOF Dose Assessment Coordinator
- EOF Dose Assessment Specialist
- EOF COP Communicator

_____ / _____

2. Verify that at least one telephone link can be established between the EOF and the site.

_____ / _____

3. When Steps 1 and 2 are complete, make the following announcement on the EOF PA system:

"This is _____ (Insert name and position) _____. The EOF is now activated. Command and Control of the emergency is currently at _____ (State Facility) _____."

4. Notify the Control Room, OSC and TSC that the EOF is activated.

_____ / _____

5. Within one hour of the initial emergency declaration, verify the following augmenting staff are present:

- Administrative Logistics Manager
- Field Team Specialist
- Information Specialist
- Operations Liaison

_____ / _____

6. After one hour determine EOF positions that are filled.

6.1 If any positions are not filled, based on the nature of the emergency determine if that position is required.

6.2 Request assistance from the EOF staff in contacting additional staff, as needed.

_____ / _____

Attachment 6.2 - Checklist for Deactivation of the EOF

Upon termination of the emergency activities, the following actions should be completed to restore the EOF:

- | | (✓) | <u>INIT/TIME</u> |
|--|-------|------------------|
| 1. Have all Staff Members restock their emergency kits and place them in their designated locations. | _____ | _____ |
| 2. Properly restore all computer systems to their standby mode. | _____ | _____ |
| 3. Turn in all logs, paperwork, procedures, etc. to the Administrative Logistics Manager. | _____ | _____ / _____ |

Distribution Authorized

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Fort Calhoun Station
Unit No. 1

EPIP-OSC-21

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: ACTIVATION OF THE OPERATIONS SUPPORT CENTER

FC-68 Number: EC 31020

Reason for Change: Delete step requiring synchronizing clocks to the ERF since we now use atomic clocks.

Requestor: Rhonda Hankins

Preparer: Rhonda Hankins

ACTIVATION OF THE OPERATIONS SUPPORT CENTER

NON-SAFETY RELATED

1. PURPOSE

- 1.1 This procedure provides instruction for the Operations Support Center (OSC) Director and other OSC personnel for activation and deactivation of the OSC. It also provides guidance for relocating the OSC to its alternate location should the need arise.

2. REFERENCES/COMMITMENT DOCUMENTS

- 2.1 EPIP-RR-21, Operations Support Center Director Actions
- 2.2 EPIP-EOF-11, Dosimetry Records, Exposure Extensions, and Habitability

3. DEFINITIONS

- 3.1 Activated - minimum staffing and basic setup requirements have been attained to allow the OSC to provide support to the Control Room.
- 3.2 Augmented - A facility is augmented when all augmenting and minimum staffing positions are filled.

4. PREREQUISITES

None

5. PROCEDURE

- 5.1 Upon reporting to the OSC, activate the OSC using Attachment 6.1.
- 5.2 Should the need arise to relocate the OSC, use Attachments 6.5 and 6.6.
- 5.3 Upon event termination, restore the equipment in the OSC per Attachment 6.4.

6. ATTACHMENTS

- 6.1 Checklist for Activation of the OSC
- 6.2 Typical Floor Plan for the Operations Support Center
- 6.3 Typical Accountability Boundaries for the Operations Support Center
- 6.4 Checklist for Deactivation of the OSC

- 6.5 Guidelines for Setup of the Operations Support Center in an Alternate Location
- 6.6 Typical Location of Alternate Operations Support Center

NOTE: It is the goal of Omaha Public Power District (OPPD) to activate the OSC within one hour following declaration of an Alert or higher classification. In the event of adverse weather and/or other conditions that may limit or slow response, either manmade or natural, it is understood that staffing time may exceed this goal.

(✓) INIT/TIME

1. Verify the following minimum staffing positions are available:

- OSC Director _____
- Radiation Protection Technician or Radiation Protection Coordinator _____
- One other person to form a team _____

_____ / _____

2. Set up accountability boundaries per Attachment 6.3.

_____ / _____

3. Connect phone harness P10:

- Storekeeper (ext 7055) _____
- Maintenance Planner (ext 7057) _____
- Maintenance Technicians (ext 7059) _____
- Extra OSC phone (ext 7060) _____

_____ / _____

4. Connect phone harness W10:

- OSC Director (ext 7051) _____
- Radiation Protection Coordinator (ext 7052) _____
- Chemistry Coordinator (ext 7053) _____
- Maintenance Coordinator (ext 7054) _____
- ERMS Operator (used only if ERMS is inoperable, ext 7056) _____
- OSC OPS Liaison Network Phone _____
- Conference Health Physics (CHP) Network Phone _____
- Management Operations Phone (MOP) Network _____

_____ / _____

5. Connect PA microphone.

_____ / _____

6. Turn on power switch for:

- Writeboard monitor _____
- Document reader/printer _____

_____ / _____

7. Adjust volume controls on Gaitronics units so announcements can be heard in the OSC.

_____ / _____

Attachment 6.1 - Checklist for Activation of the OSC

Page 2 of 3

(✓) INIT/TIME

- 8. Prepare team tracking board for use. /

- 9. Post "NO EATING/DRINKING/SMOKING OR CHEWING" signs from the RP Coordinator's Kit in the following locations:
 - I&C Shop Area /
 - OSC - Conference Room Area /
 - Access Control Area /

- 10. When Steps 1 through 9 are complete perform the following:
 - 10.1 Make the following announcement on the OSC PA system:

"This is (ININSERT NAME) . I have assumed the duties of OSC Director. **The OSC is now activated.** Ensure your accountability card has been dropped in the accountability box. Eating, drinking, smoking or chewing is **NOT** allowed."

/

 - 10.2 Inform the Site Director the OSC is activated, ready to provide minimal support to the Control Room and who is filling the OSC Director position. /

- 11. Verify habitability per EPIP-EOF-11. /

- 12. Set up a portable air monitoring system (AMS). /

- 13. Set up a portable area monitor with the alarm set at about 15 mr/hr. /

Attachment 6.1 - Checklist for Activation of the OSC

(✓) INIT/TIME

14. Within one hour of initial emergency declaration, verify the following augmenting staff are present:

- Chemistry Technician _____
- Dosimetry Technician _____
- Electrical Maintenance Technicians (2) _____
- I&C Technician _____
- Maintenance Coordinator _____
- Mechanical Maintenance or Steam Fitter Mechanic _____
- Operations Liaison _____
- Radiation Protection Technicians (6 of which one may be minimum staffing) _____
- Radiation Protection Coordinator (if not counted for minimum staffing) _____

_____ / _____

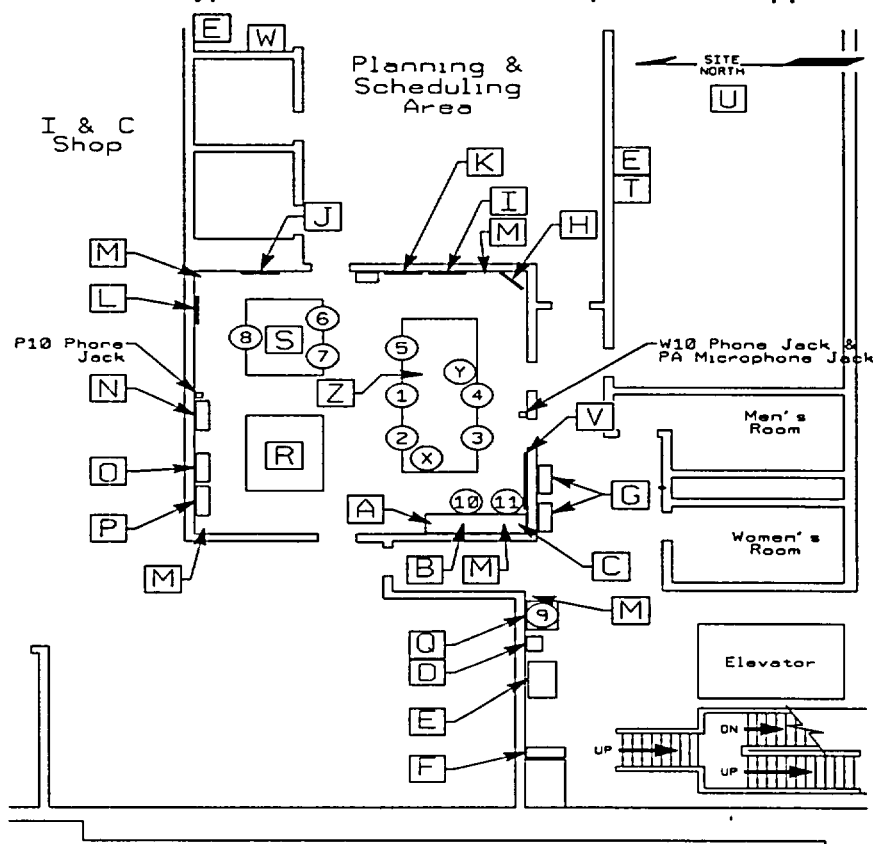
15. After one hour determine if any OSC positions are not filled.

15.1 If a position is not filled, based on the nature of the emergency determine if that position is required.

15.2 Request assistance from the TSC in contacting additional staff, as needed.

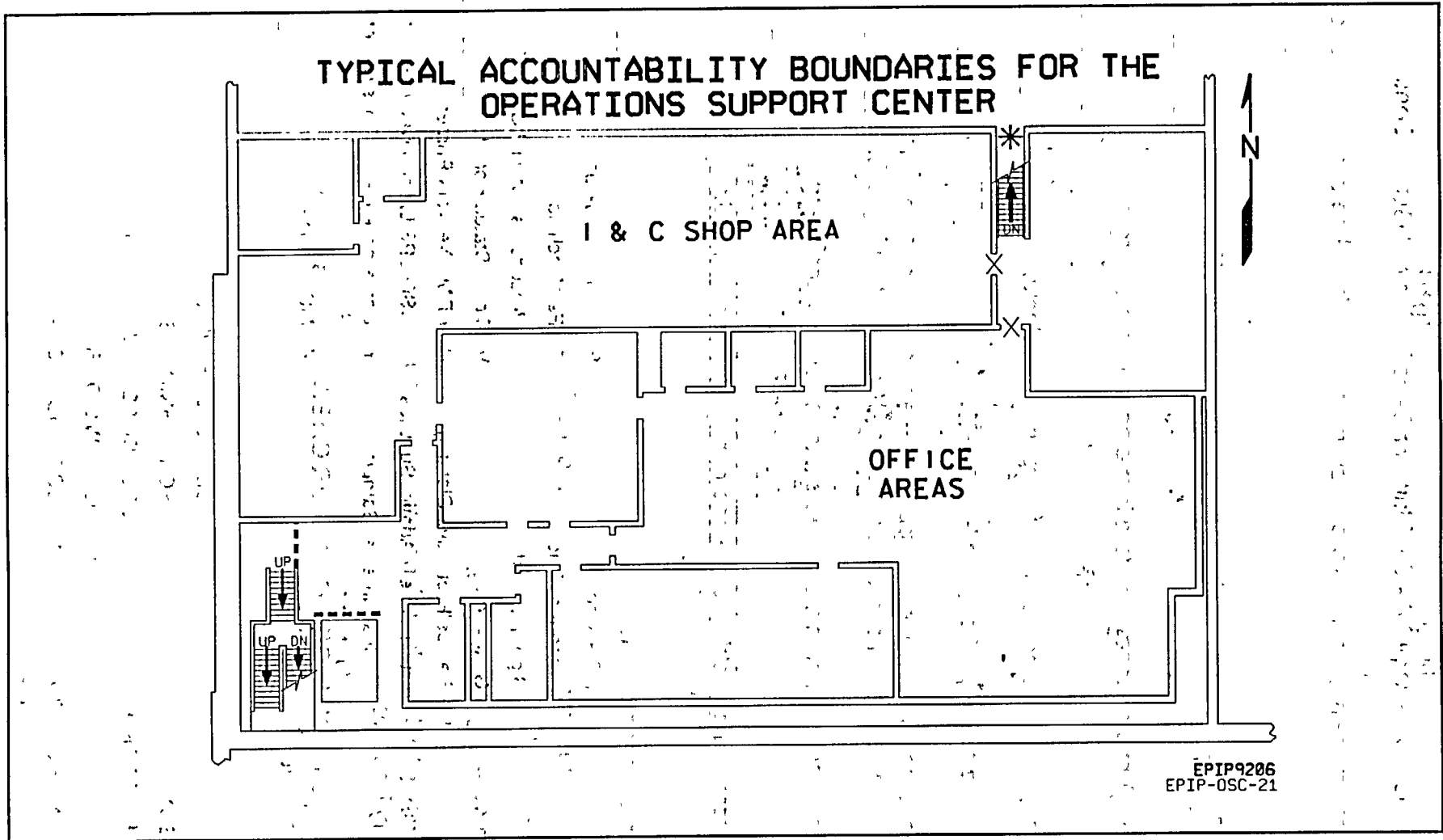
_____ / _____

Attachment 6.2 - Typical Floor Plan For The Operations Support Center



- | | | |
|----------------------------|--|--|
| A. ERF Computer | J. EGG Map | S. Conference Area |
| B. ERMS | K. Procedure Rack | T. Fax Machine |
| C. OSC Base Radio | L. Sign-In Board | U. Procedures (Official Copy) |
| D. Dosimetry Issue Kit | M. Gaitronics | V. Team Status Board |
| E. Copy Machine | N. Radios/Protective Clothing | W. ERMS Network Printer |
| F. Respirators/Air Tanks | O. Kits, Phones, Admin. Supplies | X. OSC OPS Liaison Network Phone |
| G. SCBA's | P. RP Instruments, Sample Monitoring Kit | Y. Conference Health Physics Network Phone |
| H. Writeboard Monitor | Q. HIS-20 System | Z. MOP Phone |
| I. Plant Maps | R. Briefing Area | |
| 1. OSC DIRECTOR | 7. OSC STOREKEEPER | |
| 2. OSC OPS LIAISON | 8. OSC TECHNICIANS | |
| 3. OSC CHEMISTRY COORD. | 9. OSC ACCT/DOSIMETRY CLERK | |
| 4. OSC RP COORD. | 10. OSC ERMS OPERATOR | |
| 5. OSC MAINTENANCE COORD. | 11. OSC RADIO OPERATOR | |
| 6. OSC MAINTENANCE PLANNER | | |

Attachment 6.3 - Typical Accountability Boundaries for the Operations Support Center



NOTE: OSC Boundaries are determined by the OSC Director.

---Accountability Boundary

X NO Exit - Use Southwest Staircase

* DO NOT ENTER - Use Southwest Staircase

Attachment 6.4 - Checklist for Deactivation of OSC

Upon termination of emergency activities the following actions should be completed to restore the OSC.

	<u>INIT/TIME</u>
1. Disconnect phone harnesses and store phones in the appropriate emergency gear locker.	____/____
2. Disconnect the PA microphone and store in the appropriate emergency gear locker.	____/____
3. Place emergency kits in the appropriate emergency gear locker.	____/____
4. Turn off all portable radios and place in their chargers.	____/____
5. Turn off RP instruments, return to the appropriate emergency gear locker and notify RP of any equipment that may have malfunctioned during use.	____/____
6. Place the portable air monitor in the cage next to the copy machine and lock the cage.	____/____
7. Return respirators and air bottles to the appropriate location and notify RP of equipment requiring recharging.	____/____
8. Turn off the writeboard monitor.	____/____
9. Turn in all logs, paperwork, procedures, etc. to the Administrative Logistics Coordinator in the TSC.	____/____
10. Secure status boards for normal use.	____/____
11. Remove accountability boundary signs from ropes and doors and place in the dosimetry issue kit cabinet.	____/____
12. Place the EATING/DRINKING/SMOKING OR CHEWING signs in the RP Coordinator's kit.	____/____

Attachment 6.5 - Guidelines for Setup of the Operations Support Center
in An Alternate Location

Page 1 of 4

NOTE: Continue to provide emergency support as practicable during relocation.

NOTE: The TSC is the preferred relocation facility.

(✓) INIT/TIME

1. The OSC Director should:

1.1 Determine the location to which personnel will be relocated:

- Ensure the receiving facility is safe and prepared to accept OSC personnel.
- Determine that the chosen route to that facility is safe and free of unexpected obstacles.
- Assign a Relocation Coordinator to direct Steps 1.2 through 2.2.
- Promptly relocate himself to the facility to coordinate an orderly transfer.

1.2 The Relocation Coordinator shall make everyone aware of impending relocations including:

NOTE: A Site Announcement should be considered, but it shall not replace individual contact.

- OSC Staff
- Teams that have been dispatched from the OSC
- Control Room
- TSC
- Command and Control position
- EOF

Attachment 6.5 - Guidelines for Setup of the Operations Support Center
in An Alternate Location

(✓) INIT/TIME

1.3 The OSC Radiation Protection Coordinator should:

- Determine the need for and if needed, establish radiological control points. _____
- Authorize Issuance of dosimeters as conditions warrant. _____
- If transferring to the TSC, coordinate with the TSC Protective Measures Coordinator to ensure the TSC is prepared to receive the OSC staff and equipment. Issues to be discussed should include:
 - Maintaining TSC Airlocks _____
 - Monitoring of personnel and equipment _____
 - Decontamination procedures _____
 - Where the OSC Staff should go _____
- Coordinate the transfer of OSC RP Personnel and needed equipment. _____

1.4 The OSC Accountability/Dosimetry Technician should:

- Issue dosimeters as directed by the RP Coordinator. _____
- Take to the new facility:
 - Dosimeters _____
 - Dosimeter charger _____
 - Dosimetry records _____
 - Accountability rosters _____
 - Other records and logs _____
- Verify accountability has been maintained as the OSC staff arrives. _____

Attachment 6.5 - Guidelines for Setup of the Operations Support Center
in An Alternate Location

(✓) INIT/TIME

1.5 The Maintenance Coordinator should ensure that needed equipment is prepared for transfer, including but not limited to:

- Protective clothing
- SCBA
- Respirators
- Radios
- Phone headsets, etc.
- All logs and facility records

2. When all preparations are completed the Relocation Coordinator shall ensure that the rest of the entire OSC staff is aware of:

NOTE: The Coordinator for each position should coordinate relocation their staff and equipment to aid in maintaining accountability.

- Where they are going
- The route to taken
- How the transfer will be made
- The proper actions to follow upon arrival

2.1 The Relocation Coordinator shall call the alternate facility to inform them that transfer has begun.

2.2 The Relocation Coordinator and a Radiation Protection Technician shall remain in the OSC until informed that accountability has been verified in the new facility.

- Upon confirmation of reestablished accountability the Relocation Coordinator and the RP Technician should proceed to the relocated facility.
- If someone is not accounted for, a search for that individual(s) shall be conducted.

Attachment 6.5 - Guidelines for Setup of the Operations Support Center
in An Alternate Location

(✓) INIT/TIME

3. Upon arrival of personnel in the new facility:

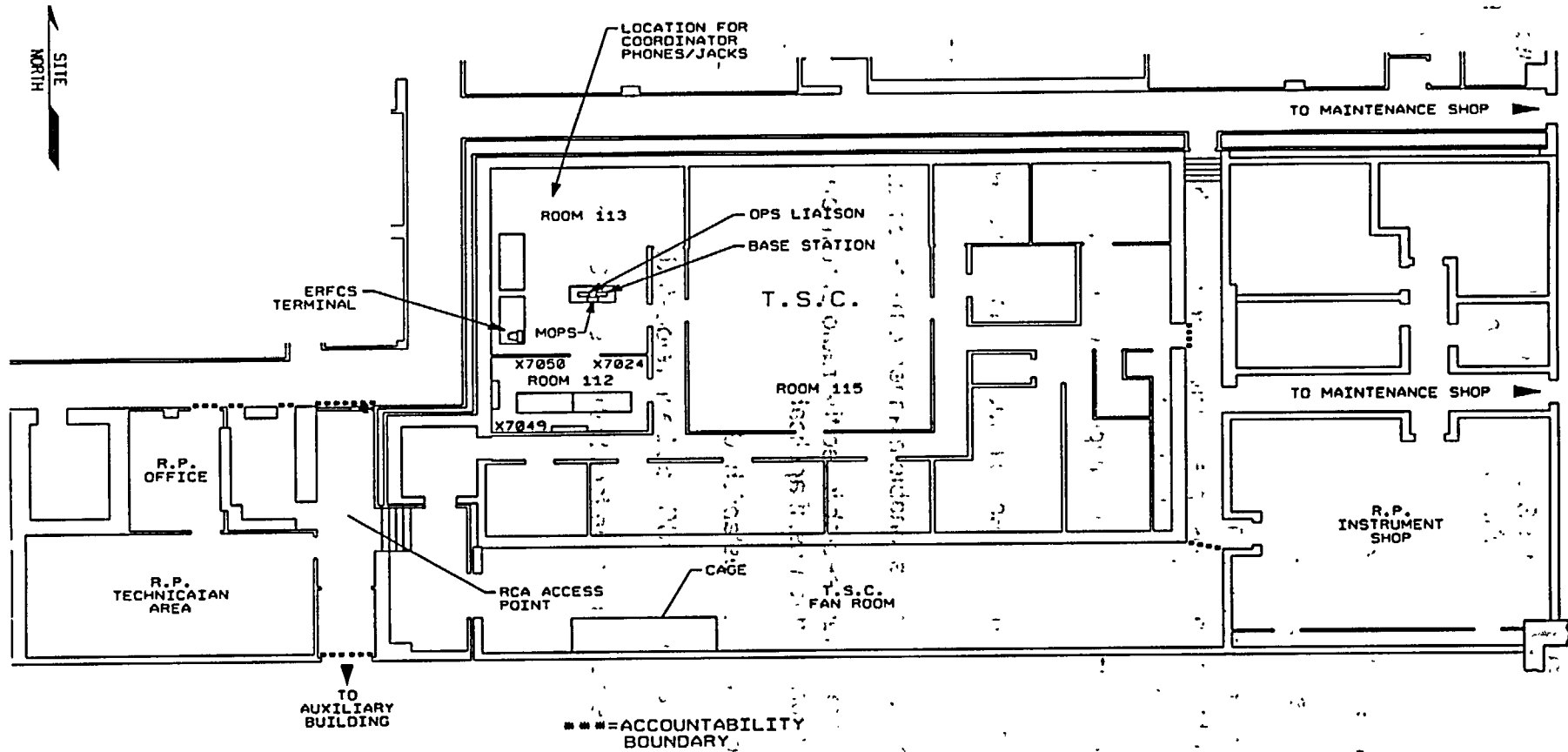
3.1 The OSC Director shall ensure:

- The Accountability/Dosimetry Technician has verified accountability by ensuring those previously signed in on the roster with those arriving in the new facility. _____
- Arrangements for personnel and equipment decon-have been made. _____
- The Operations Liaison has reestablished contact with other facilities Ops Liaisons. _____
- The facility is set up in a reasonable manner to be reactivated. _____
- The Radio Operator has reestablished the radio system and contact with dispatched teams, if applicable. _____
- Sufficient phone service is established. _____

4. Report to the other facilities that the OSC has been relocated.

- 4.1 Make an announcement within the facility that the OSC has been reactivated. _____ / _____

Attachment 6.6 - Typical Location of Alternate Operations Support Center



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Fort Calhoun Station
Unit No. 1

EPIP-TSC-1

EMERGENCY PLAN IMPLEMENTING PROCEDURE

Title: ACTIVATION OF THE TECHNICAL SUPPORT CENTER

FC-68 Number: EC 31020

Reason for Change: Delete step requiring synchronizing clocks to the ERF since we now use atomic clocks.

Requestor: Rhonda Hankins

Preparer: Rhonda Hankins

ACTIVATION OF THE TECHNICAL SUPPORT CENTER

NON-SAFETY RELATED

1. PURPOSE

- 1.1 This procedure provides a checklist to provide guidance for activation and deactivation of the Technical Support Center (TSC).

2. REFERENCES/COMMITMENT DOCUMENTS

None

3. DEFINITIONS

- 3.1 Activated - minimum staffing and basic setup requirements have been attained to allow the TSC to provide limited support to the Control Room.
- 3.2 Augmented - A facility is augmented when all augmenting and minimum staffing positions are filled.

4. PREREQUISITES

None

5. PROCEDURE

NOTE: The Site Director or TSC Director is responsible for completion of this procedure. They may assign this task to other members of the TSC staff.

- 5.1 Upon reporting to the TSC, activate the TSC using Attachment 6.1.
- 5.2 Upon event termination, deactivate the TSC per Attachment 6.2.

6. ATTACHMENTS

- 6.1 Checklist for Activation of the TSC
- 6.2 Checklist for Deactivation of the TSC
- 6.3 Activation/Deactivation of the TSC Air and Area Radiation Monitors
- 6.4 Operation of the TSC HVAC System

Attachment 6.1 - Checklist For Activation of the TSC

NOTE: It is the goal of Omaha Public Power District (OPPD) to activate the TSC within one hour following declaration of an Alert or higher classification. In the event of adverse weather and/or other conditions that may limit or slow response, either manmade or natural, it is understood that staffing time may exceed this goal.

(✓) INIT/TIME

1. Contact the Control Room to determine if there is a toxic gas threat in the vicinity of Fort Calhoun Station.
 - 1.1 If **YES**, secure the TSC HVAC system per Attachment 6.4, Step 3. _____
 - 1.2 If **NO**, place the TSC HVAC System in the FILTERED MODE per Attachment 6.4, Step 1. _____ / _____
2. Verify the following minimum staffing positions are available.
 - Site Director _____
 - Protective Measures Coordinator _____
 - TSC COP Communicator _____
 - Reactor Safety Coordinator _____ / _____
3. Ensure that the volume buttons on both Gai-tronics are turned up. _____ / _____
4. Using the Gai-Tronics, announce the following message:
 - 4.1 "Attention all personnel. Attention all personnel....This is (Insert name and position). All personnel deposit their accountability badges in the proper accountability box near their facility. _____
 - 4.2 Repeat the message above. _____ / _____
5. Open all TSC room doors. _____ / _____
6. Post "NO EATING/DRINKING/SMOKING OR CHEWING" signs in the TSC Room 115 and near the entrance door. _____ / _____
7. In Room 118, unlock the aperture card file using the key from the key box, and turn on the aperture card reader/printer. _____ / _____

Attachment 6.2 - Checklist for Deactivation of the TSC

Upon termination of emergency activities, the following actions should be completed to restore the TSC:

	<u>INIT/TIME</u>
● Place emergency kits in the Emergency Gear Locker.	_____ / _____
● Properly restore all computer systems to their standby mode.	_____ / _____
● Turn off the writeboard system.	_____ / _____
● Deactivate the TSC Air Monitor and Area Radiation Monitor per Attachment 6.3.	_____ / _____
● Place the TSC HVAC System in the NORMAL MODE per Attachment 6.4, Step 2.	_____ / _____
● Remove all posted signs within the TSC.	_____ / _____
● Turn in all logs, paperwork, procedures, etc. to the Administrative Logistics Coordinator.	_____ / _____
● Turn off the aperture card reader/printer, and relock the aperture card file.	_____ / _____
● Restock all Emergency Kits	_____ / _____
● Relock all room doors.	_____ / _____

Attachment 6.3 - Activation/Deactivation of the TSC Air and Area Radiation Monitors

(✓) INIT/TIME

1. To activate the Air and Area Radiation Monitors, perform the following:
 - 1.1 Enter Room 109 (the ERF computer system room). _____
 - 1.2 Plug in and turn on the Area Radiation Monitor as necessary. _____
 - 1.3 Plug in and turn on the PING Monitor as necessary. _____
 - 1.4 Allow the PING to stabilize for several minutes, clearing the initial alarms as necessary. _____
 - 1.5 Check both units on a routine basis during the emergency to ensure habitability is being maintained. _____
 - 1.6 If either monitor alarms at any time during startup or operation, perform the following:
 - 1.6.1 Reset the alarm by pressing the reset/acknowledge button. _____
 - 1.6.2 If alarm resounds, read the affected meter and call a Radiation Protection Technician for further instructions. _____ /

2. To deactivate the Air and Area Radiation Monitors, perform the following:
 - 2.1 Obtain permission from the Radiological Operations Coordinator to secure this equipment. _____
 - 2.2 If permission is granted, unplug both units. _____
 - 2.3 If permission is not granted, leave equipment operating and inform the Control Room. _____ /

Attachment 6.4 - Operation of the TSC HVAC System

(✓)

INIT/TIME

1. Placing the TSC HVAC in the FILTERED MODE.

- 1.1 On panel AI-200A (in TSC Room 109) ensure the Air Handler, VA-107 is ON as indicated by the red light above the VA-107, TSC Ventilation Unit Fan Start/Stop Pushbuttons. If VA-107 is not ON, start VA-107 with the START push button.
- 1.2 Ensure the VA-109, Charcoal Filter Fan Selector Switch, HC/VA-109, is in AUTO.
- 1.3 Place the TSC Ventilation Filtered Air Mode Switch, SS/VA-109 is in the ON position.

_____ / _____

2. Placing the TSC HVAC in the NORMAL MODE.

- 2.1 On panel AI-200A (in TSC Room 109), place the TSC Ventilation Filtered Air Mode Switch, SS/VA-109 in OFF.
- 2.2 Verify VA-109, Charcoal Filter Fan Selector Switch, HC/VA-109, is in AUTO and VA-107 in ON as indicated by red light above VA-107, TSC Ventilation Fan Unit Start/Stop Pushbuttons.

_____ / _____

3. Securing the TSC HVAC System.

- 3.1 On panel AI-200A (in TSC Room 109), ensure or place the TSC Ventilation Filtered Air Mode Switch, SS/VA-109, in the OFF position.
- 3.2 Place the Air Handler, VA-107 in OFF by pushing the VA-107, TSC Ventilation Unit Fan Stop pushbutton AND verify the red light above the VA-107, TSC Ventilation Unit Fan Start/Stop pushbuttons is off.

_____ / _____