



**Northeast
Nuclear Energy**

Rope Ferry Rd. (Route 156), Waterford, CT 06385

Millstone Nuclear Power Station
Northeast Nuclear Energy Company
P.O. Box 128
Waterford, CT 06385-0128
(860) 447-1791
Fax (860) 444-4277

The Northeast Utilities System

JAN 16 2001

Docket Nos. 50-245
50-336
50-423
B18306

RE: 10 CFR 50, Appendix E
10 CFR 50.47(b)(5)

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

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3
Revised Emergency Plan Procedures

The purpose of this letter is to inform the Nuclear Regulatory Commission that the following Emergency Plan Procedures have been implemented:

- MP-26-EPI-FAP01, "Control Room Emergency Operations," Major Revision 0, and seven (7) associated forms;
- MP-26-EPI-FAP02, "Technical Support Center Activation and Operation," Major Revision 0, and twelve (12) associated forms;
- MP-26-EPI-FAP03, "Operations Support Center Activation and Operation," Major Revision 0, and four (4) associated forms;
- MP-26-EPI-FAP04, "Emergency Operations Facility Activation and Operation," Major Revision 0, and seventeen (17) associated forms;
- MP-26-EPI-FAP05, "State Emergency Operations Center Activation and Operation," Major Revision 0, and eight (8) associated forms;
- MP-26-EPI-FAP06, "Classification and PARs," Major Revision 0, and seven (7) associated forms;
- MP-26-EPI-FAP07, "Notifications and Communications," Major Revision 0, and three (3) associated forms;
- MP-26-EPI-FAP08, "Evacuation and Assembly," Major Revision 0;
- MP-26-EPI-FAP09, "Radiation Exposure Controls," Major Revision 0, and six (6) associated forms;

A045

- MP-26-EPI-FAP10, "Dose Assessment," Major Revision 0, Minor Revision 1, and four (4) associated forms;
- MP-26-EPI-FAP11, "Core Damage Assessment," Major Revision 0, and twelve (12) associated forms;
- MP-26-EPI-FAP12, "Thermal Hydraulic Evaluations," Major Revision 0, and five (5) associated forms;
- MP-26-EPI-FAP13, "News Releases," Major Revision 0;
- MP-26-EPI-FAP14, "Recovery," Major Revision 0, and one (1) associated form;
- MP-26-EPI-FAP15, "Common Forms," Major Revision 0, and thirteen (13) associated forms; and
- Emergency Preparedness Administrative Procedure (EPAP) 1.15, Revision 6, Minor Revision 3, "Management Program for Maintaining Emergency Preparedness."

Additionally, Emergency Plan Implementing Procedure, (EPIP) 4400A, "Non-Emergency Station," Major Revision 0, Minor Revision 1, has been re-evaluated and is no longer considered to be an implementing procedure of the Millstone Station Emergency Plan. Please remove this procedure from your set of Millstone Nuclear Power Station Emergency Plan documents.

Attachment 1 contains a complete listing of procedures and forms that have been implemented primarily due to their conversion to our revised procedure numbering format, as well as the continued decommissioning of Millstone Unit No. 1. Existing procedures superseded by the procedures and forms identified above are listed in Attachment 2.

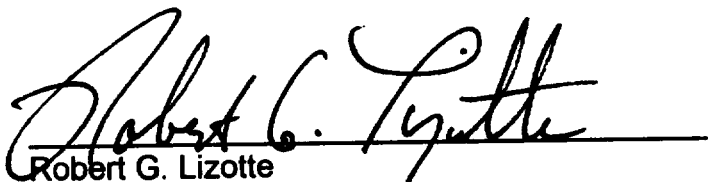
Copies of the new format procedures and forms are included as Enclosure 1. Copies of the supersedure memoranda (Document Action Requests) for the old format procedures and forms are included as Enclosure 2. Procedures or forms with a prefix of "EPIP" or "EPOP" should be removed and replaced by those prefixed "MP-26-EPI-FAP."

There are no regulatory commitments contained within this letter.

If you have any additional questions concerning this submittal, please contact Mr. David A. Smith at (860) 437-5840.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY


Robert G. Lizotte
Master Process Owner - Assessment

cc: See next page

Attachments (2)

Enclosures (2)

cc: H. J. Miller, Region I Administrator (2 copies)
R. J. Conte, Chief, Operational Safety Branch, Region I

cc: w/o attachments

J. B. Hickman, NRC Project Manager, Millstone Unit No. 1
P. C. Cataldo, Resident Inspector, Millstone Unit No. 2
J. I. Zimmerman, NRC Project Manager, Millstone Unit No. 2
S. R. Jones, Senior Resident Inspector, Millstone Unit No. 2
V. Nerses, NRC Senior Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

Docket Nos. 50-245
50-336
50-423
B18306

Attachment 1

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3

**Emergency Plan Procedures
Index of Emergency Procedures Implementing (EPI)
Functional Administrative Procedures (FAP) and Associated Forms**

1. **MP-26-EPI-FAP01, "Control Room Emergency Operations," Major Revision 0**
 - Form MP-26-EPI-FAP01-001, "Control Room-Director of Station Emergency Operations (CR-DSEO)," Major Revision 0
 - Form MP-26-EPI-FAP01-002, "Manager of Control Room Operations (MCRO)," Major Revision 0
 - Form MP-26-EPI-FAP01-003, "Station Duty Officer (SDO)," Major Revision 0
 - Form MP-26-EPI-FAP01-004, "Control Room Shift Technician (CR-ST)," Major Revision 0
 - Form MP-26-EPI-FAP01-005, "Radiological Monitoring Team (RMT) #1," Major Revision 0
 - Form MP-26-EPI-FAP01-006, "Chemistry Technician," Major Revision 0
 - Form MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)," Major Revision 0
2. **MP-26-EPI-FAP02, "Technical Support Center Activation and Operation," Major Revision 0**
 - Form MP-26-EPI-FAP02-001, "Assistant Director Technical Support (ADTS)," Major Revision 0
 - Form MP-26-EPI-FAP02-002, "TSC Shift Manager (TSCSM)," Major Revision 0
 - Form MP-26-EPI-FAP02-003, "Manager of Radiological Consequences Assessments (MRCA)," Major Revision 0
 - Form MP-26-EPI-FAP02-004, "RMT #2 (NAP-HP and SAP-HP)," Major Revision 0
 - Form MP-26-EPI-FAP02-005, "Radiological Communicator - TSC," Major Revision 0
 - Form MP-26-EPI-FAP02-006, "Manager of Technical Support Center (MTSC)," Major Revision 0
 - Form MP-26-EPI-FAP02-007, "Technical Support Center Reactor Engineer (TSCRE)," Major Revision 0
 - Form MP-26-EPI-FAP02-008, "Technical Support Center Electrical Engineer (TSCEE)," Major Revision 0
 - Form MP-26-EPI-FAP02-009, "Technical Support Center Mechanical Engineer (TSCME)," Major Revision 0
 - Form MP-26-EPI-FAP02-010, "Accident Management Team (AMT)," Major Revision 0
 - Form MP-26-EPI-FAP02-011, "Manager of Security (MOS)," Major Revision 0
 - Form MP-26-EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations," Major Revision 0

3. **MP-26-EPI-FAP03, "Operations Support Center Activation and Operation," Major Revision 0**
 - Form MP-26-EPI-FAP03-001, "Manager of Operations Support Center (MOSC) - TSC/OSC," Major Revision 0
 - Form MP-26-EPI-FAP03-002, "Assistant Radiation Protection Supervisor (ARPS)," Major Revision 0
 - Form MP-26-EPI-FAP03-003, "Manager Operations Support Center - OSC AA," Major Revision 0
 - Form MP-26-EPI-FAP03-004, "CBETS Operator," Major Revision 0
4. **MP-26-EPI-FAP04, "Emergency Operations Facility Activation and Operation," Major Revision 0**
 - Form MP-26-EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)," Major Revision 0
 - Form MP-26-EPI-FAP04-002, "Assistant Director Emergency Operations Facility (ADEOF)," Major Revision 0
 - Form MP-26-EPI-FAP04-003, "Manager of Radiological Dose Assessment (MRDA)," Major Revision 0
 - Form MP-26-EPI-FAP04-004, "Assistant Manager, Radiological Dose Assessment (AMRDA)," Major Revision 0
 - Form MP-26-EPI-FAP04-005, "Radiological Assessment Engineer (RAE)," Major Revision 0
 - Form MP-26-EPI-FAP04-006, "Field Team Data Coordinator (FTDC)," Major Revision 0
 - Form MP-26-EPI-FAP04-007, "Radiation Monitoring Team (RMT #3, #4, #5)," Major Revision 0
 - Form MP-26-EPI-FAP04-008, "Radiological Communicator - EOF," Major Revision 0
 - Form MP-26-EPI-FAP04-009, "EOF HP Technician," Major Revision 0
 - Form MP-26-EPI-FAP04-010, "Meteorological Assistant," Major Revision 0
 - Form MP-26-EPI-FAP04-011, "Manager of Resources (MOR) or External Resources Coordinator (ERC)," Major Revision 0
 - Form MP-26-EPI-FAP04-012, "Manager of Public Information (MPI)," Major Revision 0
 - Form MP-26-EPI-FAP04-013, "Manager of Communications (MOC)," Major Revision 0
 - Form MP-26-EPI-FAP04-014, "Technical Information Communicator (TIC)," Major Revision 0
 - Form MP-26-EPI-FAP04-015, "EOF Shift Technician (EOFST)," Major Revision 0

- Form MP-26-EPI-FAP04-016, "Station Emergency Preparedness Representative (SEPR)," Major Revision 0
 - Form MP-26-EPI-FAP04-017, "Regulatory Liaison," Major Revision 0
5. MP-26-EPI-FAP05, "State Emergency Operations Center Activation and Operation," Major Revision 0
- Form MP-26-EPI-FAP05-001, "Executive Spokesperson (ES)," Major Revision 0
 - Form MP-26-EPI-FAP05-002, "Technical Assistant (TA)," Major Revision 0
 - Form MP-26-EPI-FAP05-003, "Nuclear News Manager (NNM)," Major Revision 0
 - Form MP-26-EPI-FAP05-004, "Rumor Control Liaison (RCL)," Major Revision 0
 - Form MP-26-EPI-FAP05-005, "Media Center Liaison (MCL)," Major Revision 0
 - Form MP-26-EPI-FAP05-006, "Technical Briefer (TB)," Major Revision 0
 - Form MP-26-EPI-FAP05-007, "Radiological Briefer (RB)," Major Revision 0
 - Form MP-26-EPI-FAP05-008, "State Emergency Planning Liaison (SEPL)," Major Revision 0
6. MP-26-EPI-FAP06, "Classification and PARs," Major Revision 0
- Form MP-26-EPI-FAP06-001, "Millstone Unit 1 Emergency Action Levels," Major Revision 0
 - Form MP-26-EPI-FAP06-002, "Millstone Unit 2 Emergency Action Levels," Major Revision 0
 - Form MP-26-EPI-FAP06-003, "Millstone Unit 3 Emergency Action Levels," Major Revision 0
 - Form MP-26-EPI-FAP06-004, "Termination Checklist," Major Revision 0
 - Form MP-26-EPI-FAP06-005, "Control Room Protective Action Recommendations," Major Revision 0
 - Form MP-26-EPI-FAP06-006, "EOF Protective Action Recommendations," Major Revision 0
 - Form MP-26-EPI-FAP06-007, "Protective Action Comparisons," Major Revision 0
7. MP-26-EPI-FAP07, "Notifications and Communications," Major Revision 0
- Form MP-26-EPI-FAP07-001, "Nuclear Incident Report Form (IRF)," Major Revision 0
 - Form MP-26-EPI-FAP07-002, "NRC Notification Checklist," Major Revision 0
 - Form MP-26-EPI-FAP07-003, "NRC Event Notification Form," Major Revision 0

8. **MP-26-EPI-FAP08, "Evacuation and Assembly," Major Revision 0**
9. **MP-26-EPI-FAP09, "Radiation Exposure Controls," Major Revision 0**
 - **Form MP-26-EPI-FAP09-001, "Increased Radiation Exposure Authorization," Major Revision 0**
 - **Form MP-26-EPI-FAP09-002, "DDE Limit Reduction," Major Revision 0**
 - **Form MP-26-EPI-FAP09-003, "KI Tablet Issue Authorization and Tracking Sheet," Major Revision 0**
 - **Form MP-26-EPI-FAP09-004, "Emergency Worker Access and Exposure Control Log," Major Revision 0**
 - **Form MP-26-EPI-FAP09-005, "Calculation of I-131 Activity Based on HP-210 Count," Major Revision 0**
 - **Form MP-26-EPI-FAP09-006, "Thyroid CDE Based on Field Air Samples," Major Revision 0**
10. **MP-26-EPI-FAP10, "Dose Assessment," Major Revision 0, Minor Revision 1**
 - **Form MP-26-EPI-FAP10-001, "IDA - Data Input Information," Major Revision 0**
 - **Form MP-26-EPI-FAP10-002, "MIDAS - Data Input Information," Major Revision 0**
 - **Form MP-26-EPI-FAP10-003, "Doses for Protective Action Recommendation (Dose in REM)," Major Revision 0**
 - **Form MP-26-EPI-FAP10-004, "Thyroid CDE Calculation Based on Field Air Sample Worksheet," Major Revision 0**
11. **MP-26-EPI-FAP11, "Core Damage Assessment," Major Revision 0**
 - **Form MP-26-EPI-FAP11-001, "Core Damage Estimate: Core Exit Temperatures," Major Revision 0**
 - **Form MP-26-EPI-FAP11-002, "Core Damage Estimate: Core Uncovery Times," Major Revision 0**
 - **Form MP-26-EPI-FAP11-003, "Core Damage Estimate: Containment Radiation Monitors," Major Revision 0**
 - **Form MP-26-EPI-FAP11-004, "Core Damage Estimate: Main Steam Line Radiation Monitors," Major Revision 0**
 - **Form MP-26-EPI-FAP11-005, "Core Damage Estimate: Containment Hydrogen," Major Revision 0**
 - **Form MP-26-EPI-FAP11-006, "Core Damage Estimate: Ratio Comparison/Abnormal Isotopes," Major Revision 0**
 - **Form MP-26-EPI-FAP11-007, "Core Damage Estimate: Isotopic Concentrations," Major Revision 0**

- Form MP-26-EPI-FAP11-008, "Core Damage Estimate: Summary Analysis," Major Revision 0
 - Form MP-26-EPI-FAP11-009, "Unit 2 Reactor Coolant and Liquid Waste Sample Worksheet," Major Revision 0
 - Form MP-26-EPI-FAP11-010, "Unit 2 Vent and Containment Air Sample Worksheet," Major Revision 0
 - Form MP-26-EPI-FAP11-011, "Unit 3 Reactor Coolant and Liquid Waste Sample Worksheet," Major Revision 0
 - Form MP-26-EPI-FAP11-012, "Unit 3 Vent and Containment Air Sample Worksheet," Major Revision 0
12. MP-26-EPI-FAP12, "Thermal Hydraulic Evaluations," Major Revision 0
- Form MP-26-EPI-FAP12-001, "Core Uncovery Time Estimate," Major Revision 0
 - Form MP-26-EPI-FAP12-002, "Estimation Of Fuel Damage State," Major Revision 0
 - Form MP-26-EPI-FAP12-003, "Barrier Status Determination," Major Revision 0
 - Form MP-26-EPI-FAP12-004, "Containment Failure Time Estimate," Major Revision 0
 - Form MP-26-EPI-FAP12-005, "Core Cooling Water Inventory," Major Revision 0
13. MP-26-EPI-FAP13, "News Releases," Major Revision 0
14. MP-26-EPI-FAP14, "Recovery," Major Revision 0
- Form MP-26-EPI-FAP14-001, "Recovery Issue/Strategies Form," Major Revision 0
15. MP-26-EPI-FAP15, "Common Forms," Major Revision 0
- Form MP-26-EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," Major Revision 0
 - Form MP-26-EPI-FAP15-002, "RMT Instrument, Battery, and Source Check Sheet," Major Revision 0
 - Form MP-26-EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," Major Revision 0
 - Form MP-26-EPI-FAP15-004, "Plant Parameter Data Requested/Provided," Major Revision 0
 - Form MP-26-EPI-FAP15-005, "Personnel Contamination Status," Major Revision 0
 - Form MP-26-EPI-FAP15-006, "OFIS Instructions," Major Revision 0
 - Form MP-26-EPI-FAP15-007, "Critical Parameter Data Sheet - MP1," Major Revision 0

- Form MP-26-EPI-FAP15-008, "Critical Parameter Data Sheet - MP2," Major Revision 0
- Form MP-26-EPI-FAP15-009, "Critical Parameter Data Sheet - MP3," Major Revision 0
- Form MP-26-EPI-FAP15-010, "Emergency Team Briefing Sheet," Major Revision 0
- Form MP-26-EPI-FAP15-011, "Fitness for Duty Questionnaire," Major Revision 0
- Form MP-26-EPI-FAP15-012, "SERO Log Sheet," Major Revision 0
- Form MP-26-EPI-FAP15-013, "EOF Air Handling and High Radiation Filtration System," Major Revision 0

Docket Nos. 50-245
50-336
50-423
B18306

Attachment 2

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3

Emergency Plan Procedures
Superseded Emergency Plan Implementing and Operating Procedures

- **Emergency Plan Implementing Procedure (EPIP) 4400, "Event Assessment Classification and Reportability"**
 - **EPIP Form 4400-001, "Millstone Unit 1 Emergency Action Levels"**
 - **EPIP Form 4400-002, "Millstone Unit 2 Emergency Action Levels"**
 - **EPIP Form 4400-003, "Millstone Unit 3 Emergency Action Levels"**
- **EPIP 4404, "Notifications and Communications"**
- **Emergency Plan Operating Procedure (EPOP) 4411, "Director of Station Emergency Operations"**
- **EPOP 4411A, "Assistant Director Technical Support"**
- **EPOP 4411B, "Assistant Director Emergency Operations Facility"**
- **EPOP 4412, "Evacuation and Assembly"**
- **EPOP 4413, "Potassium Iodide Tablet Control and Issue"**
 - **EPOP Form 4413-001, "KI Information Sheet"**
- **EPOP 4417, "Manager of Control Room Operations"**
- **EPOP 4419, Manager of Operational Support Center"**
- **EPOP 4422, "Manager of Technical Support Center"**
- **EPOP 4422A, "Thermal Hydraulic Evaluation Methods"**
- **EPOP 4424, "Manager of Radiological Consequence Assessment"**
- **EPOP 4425, "Personnel Radiation Exposure Control and Dosimetry Issue During Nuclear Emergencies"**
- **EPOP 4426, "On Site Emergency Radiological Surveys"**
 - **EPOP Form 4426-001, "RMT Instrument, Battery, and Source Check"**
 - **EPOP Form 4426-002, "Radiation Monitoring Point Data Sheet"**
- **EPOP 4428A, "Radiological Dose Assessment Team"**
- **EPOP 4428D, "Meteorological Team"**
- **EPOP 4428F, "Refined Dose Assessment"**
- **EPOP 4428G, "Protective Action Recommendations"**
- **EPOP 4428I, "Direction of Environmental Services Field Sampling"**
- **EPOP 4428J, "Health Physics Network Communications"**
- **EPOP 4429, "Radiation Monitoring Team Deployment and Control"**
- **EPOP 4430, "Off-Site Radiological Surveys"**
- **EPOP 4432, "On Shift Dose Assessment"**
- **EPOP 4435, "Containment Curie Level Estimate"**
- **EPOP 4440, "Unit 2 Core Damage Estimate"**

- EPOP 4441, "Unit 3 Core Damage Estimate"
- EPOP 4446, "Site Stack PASS"
- EPOP 4447, "Unit 2 RX Coolant and Liquid Waste Pass"
- EPOP 4448, "Unit 2 Vent and Containment Air Pass"
- EPOP 4449, "Unit 3 RX Coolant and Liquid Waste Pass"
- EPOP 4450, "Unit 3 Vent and Containment Air Pass"
- EPOP 4455, Manager of Public Information"
- EPOP 4455A, "Nuclear News Manager"
- EPOP 4455C, "Technical Assistant"
- EPOP 4455D, "News Releases"
- EPOP 4455F, "Rumor and Inquiry Control"
- EPOP 4460, "Manager of Communications"
- EPOP 4465, "Technical Information Coordinator"
- EPOP 4470, "Control Room Data Coordinator"
- EPOP 4475, "Manager of Resources or External Resources Coordinator"
- EPOP 4480, "Manager of Security"
- EPOP 4490, "Implementation of Recovery Operations"
- Nuclear (NUC) EPOP 4428E, "Post Accident Release Rate"
- NUC EPOP 4455B, "Executive Spokesman"

Docket Nos. 50-245
50-336
50-423
B18306

Enclosure 1

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3

**Emergency Plan Procedures
Emergency Procedures Implementing (EPI)-
Functional Administrative Procedures (FAP) and Associated Forms**

**Emergency Preparedness Administrative Procedure (EPAP) 1.15,
Revision 6, Minor Revision 3
Management Program for Maintaining Emergency Preparedness**

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ if Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess / D. Aloj	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M Maryeski</i>	<i>9/19/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(q) <input checked="" type="checkbox"/>	K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RV/DH Final Review and Approval

Stash *9/26/00*
Department Head/Responsible Individual / Date

Meeting No.: *00-30*

AS
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

**Functional
Administrative
Procedure**



Control Room Emergency Operations

MP-26-EPI-FAP01

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

Table of Contents

1. PURPOSE	
1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	2
2. INSTRUCTIONS	6
3. SUMMARY OF CHANGES	7
3.1 Original issue.	7
4. ATTACHMENTS AND FORMS	
ATTACHMENT 1, "Definitions and Abbreviations"	8
ATTACHMENT 2, "Responsibilities"	11
MP-26-EPI-FAP01-001, "Control Room-Director of Station Emergency Operations (CR-DSEO)"	
MP-26-EPI-FAP01-002, "Manager of Control Room Operations (MCRO)"	
MP-26-EPI-FAP01-003, "Station Duty Officer (SDO)"	
MP-26-EPI-FAP01-004, "Control Room Shift Technician (CR ST)"	
MP-26-EPI-FAP01-005, "Radiological Monitoring Team #1 (RMT #1)"	
MP-26-EPI-FAP01-006, "Chemistry Technician (Chem Tech)"	
MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)"	

1. PURPOSE

1.1 **Objective**

This procedure provides guidance to individuals located in the Control Room (CR) who become Station Emergency Response Organization (SERO) personnel during declared emergencies.

1.2 **Applicability**

This procedure is performed by CR personnel for emergency events classified as Unusual Event or higher.

1.3 **Supporting Documents**

EPI-FAP07, "Notifications and Communications"

EPI-FAP15, "Common Forms"

EPUG-08B, "Millstone Emergency Plan Resource Book"

1.4 **Discussion**

1.4.1 CR-DSEO Transition to MCRO

The CR-DSEO becomes the MCRO after being relieved by the on-call DSEO. The MCRO then reports directly to the ADTS.

For a Unit 1 event, the Unit 1 SM becomes the MCRO after performing a final turnover with the Unit 2 SM (CR-DSEO for Unit 1 events).

1.4.2 10 CFR 50.54(x) Invocation

As discussed in the Statements of Consideration to 10 CFR Part 50, emergencies can arise during which compliance with a license condition or a Technical Specification could prevent necessary action by the licensee to protect the public health and safety. Absolute compliance with the license during these emergencies can be a barrier to effective protective action.

Unanticipated circumstances can occur during the course of an emergency which may call for responses different from any previously considered during the course of licensing. Special circumstances requiring a deviation from license requirements are not necessarily limited to transients or accidents not analyzed in the licensing process. Special circumstances can arise during emergencies involving multiple equipment failures or coincident accidents where plant emergency procedures could be in conflict with or not applicable to the circumstances. In addition, an accident can take a course different from that which was addressed when the emergency procedure was written, thus requiring a protective response at variance with a procedure required to be followed by the

licensee which may ultimately be contrary to current Technical Specifications or the license condition.

10 CFR 50.54(x) will permit the licensee to take reasonable action in an emergency even though the action departs from licensing conditions or plant Technical Specifications. This action may only be taken, however, if the following criteria are met:

- The action is immediately needed to protect the public health and safety, including plant personnel.
- No action consistent with the license conditions and Technical Specifications is immediately apparent that can provide adequate or equivalent protection.
- As a minimum, a licensed senior operator approves the action.

a. Applicability Determination

The NRC can amend Technical Specifications or license conditions. The §50.54(x) regulation is not intended to apply in circumstances during which time allows this normal process to be followed. The regulation applies only to those emergency situations in which immediate action is required by the licensee to protect public health and safety and this action is contrary to a Technical Specification or license condition.

Operating outside the boundaries of approved procedures or in the absence of procedures does not in and of itself meet the threshold for invocation of §50.54(x). Also, the existence of a safety analysis (§50.59) conducted for the purpose of determining whether an unreviewed safety question exists is not sufficient to determine whether application of §50.54(x) is appropriate. §50.54(x) is not intended for use as a general regulatory protective shield for all actions not addressed by current procedures. Even after §50.54(x) has been invoked, each subsequent action taken must be evaluated for §50.54(x) applicability with all necessary approvals and notifications being made for each invocation, as appropriate.

Additionally, the §50.54(x) and (y) amendments were not written for the purpose of establishing procedures and guidance (such as SAMG) that may be useful at some future date (e.g., preplanning and contingency actions). The determination to discontinue following plant operating procedures and/or EOPS, and to begin following SAMG, by itself, does not constitute a departure from a license condition or Technical Specification and, therefore, does not require invocation of §50.54(x). Note however, it is possible that the first action directed during SAMG implementation may actually require §50.54(x) invocation.

The threshold for invocation is met only if the action being taken is not consistent with current license conditions and Technical Specifications. Additionally, the action must meet the time and safety dependent criteria previously discussed. Then and only then should the invocation of §50.54(x) be considered for approval.

b. Approval

A licensed senior operator position is the minimum level within the organization, but not the only position, authorized to approve invocation of §50.54(x). 10 CFR 50.54(y) states, "Licensee action permitted by paragraph (x) of this section shall be approved, as a minimum, by a licensed senior operator..." This wording makes it clear that such action must be approved at least by a licensed senior operator acting for the licensee. The regulation focuses on the responsibilities of facility licensees and only peripherally includes licensed senior operators. Under the provision, any licensed senior operator (licensed for the Unit involved) would be sufficient. However, during declared emergencies, more senior licensee personnel would eventually become available. The decision to depart from the license would then pass to these more senior personnel already identified in the Emergency Plan.

Ultimate responsibility for the health and safety of the general public and station personnel in an emergency resides in the highest authority in the chain of command. The persons responsible for the health and safety of the general public and station personnel are already identified in the facility license and implementing procedures. These persons include the ADTS and the DSEO following emergency response facility activation. If, however, an emergency should occur on a backshift, no licensee representative higher than a licensed senior operator in the chain of command is likely to be available. Therefore, the departure from a license condition or Technical Specification requires the approval of a licensed senior operator as a minimum.

To require any additional approvals or concurrence, such as from senior licensee representatives or the NRC, would defeat the purpose of §50.54(x). Concurrence or approval from the NRC is also not necessary, as this action would amount to a license amendment using procedures contrary to those existing for amendments. NRC concurrence would additionally shift the burden of responsibility for station safety from the licensee to the NRC.

c. Reportability

Deviations authorized pursuant to 10 CFR 50.54(x) are reportable as soon as practical and in all cases within one hour under 10 CFR 50.72(b)(1)(i)(B), or 10 CFR 50.73(a)(2)(i)(C), if not reported simultaneously with emergency notification under 10 CFR 50.72(a). When time permits, the notification is made before the protective action is taken; otherwise, it is made as soon as possible thereafter. Additionally, a Licensee Event Report will be generated and submitted to the NRC within 30 days.

d. Subsequent Actions

Following invocation of 50.54(x) and notification of the NRC, actions are taken as soon as practical to restore the plant to full compliance with Technical Specifications and all conditions of license.

1.4.3 Radiological Monitoring Team #1

During initial SERO activation, RMT #1 provides Control Room health physics support and conducts in-plant surveys and sample analysis. Upon full SERO activation, the MRCA assumes control of the RMT #1 members. An RMT #1 member will report to the MCRO for the duration of the event.

1.4.4 Initial Dose Assessment

The Initial Dose Assessment (IDA) computerized method provides the capability to perform a dose projection using effluent release information and real-time meteorology. For the purposes of calculating a total integrated TEDE, a default release duration of 2 hours may be assumed. This assumption corresponds to a period within which SERO activation will occur and a more refined dose assessment can then be performed.

This assessment is performed by a Chemistry Technician after a radiological release has occurred and all required actions critical to mitigating the plant event are completed or determined to be of a severity less than the need for performing an initial dose assessment. This is acceptable because initial EALs and PARs will be based upon plant conditions. IDA is used only as a supplement to the initial recommendations. Input provided to the CR-DSEO may be used to validate the initial protective action recommendation or classification.

Event classification, off-site agency notifications, and protective action recommendations made by the CR-DSEO should *not* be delayed by awaiting the results of this dose assessment.

1.4.5 OFIS

OFIS provides critical plant parameters to allow communication of plant data for analysis of plant conditions. OFIS may be accessed from LAN PCs.

1.4.6 Definitions and abbreviation are contained in Attachment 1.

1.4.7 Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Refer To and complete the following, as applicable:

NOTE

Steps in the position specific checklists may be performed in any order, or more than once, as necessary.

- EPI-FAP01-001, "Control Room-Director of Station Emergency Operations (CR-DSEO)"
- EPI-FAP01-002, "Manager of Control Room Operations (MCRO)"
- EPI-FAP01-003, "Station Duty Officer (SDO)"
- EPI-FAP01-004, "Control Room Shift Technician (CR ST)"
- EPI-FAP01-005, "Radiological Monitoring Team (RMT) #1"
- EPI-FAP01-006, "Chemistry Technician"
- EPI-FAP01-007, "Control Room Data Coordinator (CRDC)"

2.2 If an action is not appropriate under existing conditions or was not necessary for the event, enter N/A when completing documentation for submittal.

3. SUMMARY OF CHANGES

3.1 Original issue.

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 3)

Definitions

Activation - All functions, minimum staffing requirements, and turnovers have been completed and the senior SERO position in the facility declares it active.

Alpha or Bravo - State of Connecticut posture codes issued with a GENERAL EMERGENCY classification. A technical basis for developing a PAR as a result of that classification.

Calculated Dose Rate - A dose rate calculated for actual releases based on rates derived from effluent monitor or survey readings (usually in units of mR/hr or R/hr).

Delta Temperature - An indicator of atmospheric stability which affects plume dispersion.

Dose Assessment - the act of calculating dose commitment from the release of radioactivity.

Measured Dose Rate - Dose rate based on field survey results (usually in units mR/hr or R/hr).

Minimum Staff - Positions depicted above the line on the facility staffing board which are necessary before activation may occur.

Mission Specific Exposure Limits - Specific exposure limits based on job task assignments for emergency team members.

Plant Condition - A technical basis for developing a PAR as a result of actual or imminent loss of all 3 fission product barriers, or based on high containment radiation levels.

Projected Dose - A technical basis for developing a PAR as a result of an ongoing radiological release that is projected on either a measured dose rate, or a calculated dose rate for an expected release duration (usually in units of rem).

Protective Action Recommendation (PAR) - A recommendation issued to state and local decision makers for their consideration in making a protective action decision (i.e., shelter, evacuate).

Site Boundary - For dose assessment purposes, the 0.5 miles distant from the release point.

Unmonitored Release - A suspected or actual release of radioactive material to the environment without passing through an operational process or radiation monitor.

"What If" Dose Projection - A theoretical dose projection based on the premise that the accident sequence in progress will result in the partial or total release of an assumed quantity of core inventory (usually in units of Rem).

Attachment 1

Definitions and Abbreviations

(Sheet 2 of 3)

Wind Direction - The three digit number indicating the 000°-360° degree bearing (000° and 360° being north; 180° being south) from which the wind is blowing for the representative release elevation. Changes in wind direction may also constitute the technical basis for updating a PAR after the initial PAR has been issued.

Abbreviations

ADEOF - Assistant Director Emergency Operations Facility

ADTS - Assistant Director Technical Support

AMRDA - Assistant Manager of Radiological Dose Assessment

CDE - Committed Dose Equivalent for the thyroid (usually in units of Rem)

CR-DSEO - Control Room Director of Station Emergency Operations

DDE - Deep Dose Equivalent

EAL - Emergency Action Level

ENS - Emergency Notification System

EOF - Emergency Operations Facility

ERF - Emergency Response Facility

IDA - Initial Dose Assessment (computer program)

IRF - Incident Report Form

KI - Potassium Iodide

LAN - Local Area Network

MCRO - Manager of Control Room Operations

MOS - Manager of Security

MRDA - Manager of Radiological Dose Assessment

MTSC - Manager of Technical Support Center

OFIS - Off-Site Facilities Information System

Attachment 1
Definitions and Abbreviations
(Sheet 3 of 3)

PAR - Protective Action Recommendation

PC - Personal Computer

PPADs - Personal Protective Action Decisions

SERO - Station Emergency Response Organization

SSS - Security Shift Supervisor

ST - Shift Technician

TEDE - Total Effective Dose Equivalent

TIC - Technical Information Coordinator

TSC - Technical Support Center

Attachment 2 Responsibilities

(Sheet 1 of 2)

1. Control Room Director of Station Emergency Operations (CR-DSEO)

The CR-DSEO is responsible for the following activities, which cannot be delegated, until relieved by the EOF DSEO:

- Assuming command and control of station emergency response
- Classifying events
- Authorizing off-site notifications
- Initiating station emergency response
- Authorizing mitigation and repair activities
- Approving evacuations
- Authorizing emergency exposures
- Approving off-site Protective Action Recommendations

2. Manager of Control Room Operations (MCRO)

The MCRO is responsible for the following activities:

- Recommending corrective actions to the ADTS
- Providing current plant status to the ADTS
- Recommending event classification changes to the ADTS
- Coordinating actions to mitigate degradation of plant systems with the ADTS
- Coordinating Control Room actions and equipment operability and repair team activities with the MOSC

Attachment 2 Responsibilities

(Sheet 2 of 2)

3. Station Duty Officer (SDO)

The SDO is responsible for assisting the CR-DSEO by:

- Notifying the NRC of the event via the ENS line
- Assisting the ST in making notifications (e.g., Resident Inspector, Agencies)
- Assisting with precautionary dismissal, evacuation, or assembly of personnel

4. Shift Technician (ST)

The ST is responsible for making off-site notifications.

5. Radiological Monitoring Team (RMT) #1

The RMT #1 is responsible for the following activities:

- Providing Control Room habitability and additional health physics support
- Conducting in-plant surveys and analyzing samples

6. Chemistry Technicians

The Chemistry Technicians are responsible for the following activities:

- Providing Chemistry support
- Conducting initial dose assessments

7. Control Room Data Coordinator (CRDC)

The CRDC is responsible for the following activities:

- Activating OFIS
- Retrieving required plant parameter data
- Maintaining a chronological log of events in the Control Room

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPL-FAP01-001 Rev. No.: 000 Minor Rev.:

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess / D. Aloï	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

Sign 9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Control Room - Director of Station Emergency Operations (CR-DSEO)

NOTE

If the applicable unit is Unit 1, the Unit 2 SM will classify the event and become the CR-DSEO after being briefed by the Unit 1 SM on the initiating conditions and Unit 1 Emergency Action Level (EAL).

Section A: Emergency Response Immediate Actions

1. Evaluate the conditions using EPI-FAP06, "Classification and PARs."
 - ☐ Notify the SDO and ST to report to the control room and provide a briefing.
 - ☐ Review the EAL tables.
 - ☐ IF the event involves Unit 1, Unit 1 SM perform the following:
 - Notify the Unit 2 SM of the event in progress.
 - Refer To EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," and provide initial briefing on the following items:
 - Section 1, Event Classification - level and basis
 - Section 5, Unit Status (EOPs and Security are N/A)
 - Section 7, Radiological Release
 - ☐ Evaluate the status of the fission product barriers.
2. Declare the emergency.
 - ☐ Announce the emergency declaration level and time to the CR staff and assume the role of CR-DSEO.
 - ☐ Direct the ST to initiate offsite notifications per EPI-FAP07, "Notifications and Communications."
3. Go To the applicable section and perform the immediate actions.
 - ☐ Unusual Event Section B
 - ☐ Alert..... Section C
 - ☐ Site Area Emergency Section D
 - ☐ General Emergency Section E

Section B: Unusual Event Immediate Actions

NOTE

During a security event, it may be advisable **NOT** to sound an alarm or make a PA announcement.

1. Station Notification

- ☐ Notify the unaffected unit control rooms of the event.
- ☐ Activate the outside speakers.
- ☐ Review the wording for the station notification message and announce the following over the station PA system:

Attention all personnel; attention all personnel. An Unusual Event has been declared at (Unit #) due to (brief description of event). All members of the SERO stand by for further instructions. All other personnel continue with your present duties.

- ☐ Repeat the PA message.
- ☐ Log time of announcement.

2. SERO Activation/State Notification

- ☐ Review and approve the Incident Report Form (IRF) for transmittal.

3. NRC Notification

- ☐ Direct the SDO to notify the NRC via the ENS.
- ☐ Verify the ST or SDO has contacted the resident inspector.

Section C: Alert Immediate Actions

NOTE

Hazardous conditions may impact the ability to move personnel. If hazardous conditions exist, it may be better to shelter non-essential personnel onsite.

During a security event, it may be advisable **NOT** to sound an alarm or make a PA announcement.

1. Station Notification

- ☐ Notify the unaffected unit control rooms of the event.
- ☐ Request Security to restrict site access.
- ☐ Activate the outside speakers.
- ☐ Review the wording for the station notification message and announce the following over the station PA system:

Attention all personnel; attention all personnel. An Alert has been declared at (Unit #) due to (brief description of event). All SERO members report to your designated emergency response facility.

- ☐ Repeat the PA message.
- ☐ Log time of announcement.

2. SERO Activation/State Notification

- ☐ Review and approve the Incident Report Form (IRF) for transmittal.

3. NRC Notification

- ☐ Direct the SDO to notify the NRC via the ENS.
- ☐ Verify the ST or SDO has contacted the resident inspector.

4. Precautionary Dismissal

- ☐ Refer to EPI-FAP08, "Evacuation and Assembly," and conduct a precautionary dismissal as events warrant.

Section D: Site Area Emergency Immediate Actions

NOTE

Hazardous conditions may impact the ability to move personnel. If hazardous conditions exist, it may be better to shelter non-essential personnel onsite.

During a security event, it may be advisable **NOT** to sound an alarm or make a PA announcement.

1. Station Notification

- ☐ Notify the unaffected unit control rooms of the event.
- ☐ Request Security to restrict site access.
- ☐ Activate the outside speakers.



Implementation of evacuation shall not be delayed once the station notification has been made.

- ☐ Review the wording for the station notification message and announce the following over the station PA system:

Attention all personnel; attention all personnel. A Site Area Emergency has been declared at (Unit #) due to (brief description of event). All

on-duty SERO members report to your designated emergency response facility. All off-duty SERO members report to your designated Assembly Area.

- ☐ Repeat the PA message.
- ☐ Refer To EPI-FAP08, “Evacuation and Assembly,” and conduct evacuation.
- ☐ Log time of announcement.

2. SERO Activation/State Notification

- ☐ Review and approve the Incident Report Form (IRF) for transmittal.

3. NRC Notification

- ☐ Direct the SDO to notify the NRC via the ENS.
- ☐ Verify the ST or SDO has contacted the resident inspector.

Section E: General Emergency Immediate Actions

NOTE

Hazardous conditions may impact the ability to move personnel. If hazardous conditions exist, it may be better to shelter non-essential personnel onsite.

During a security event, it may be advisable **NOT** to sound an alarm or make a PA announcement.

1. Station Notification

- ☐ Notify the unaffected unit control rooms of the event.
- ☐ Request Security to restrict site access.
- ☐ Activate the outside speakers.

CAUTION

Implementation of evacuation shall not be delayed once the station notification has been made.

- ☐ Review the wording for the station notification message and announce the following over the station PA system:

Attention all personnel; attention all personnel. A General Emergency has been declared at (Unit # _____) due to (brief description of event _____). All

on-duty SERO members report to your designated emergency response facility. All off-duty SERO members report to your designated Assembly Area.

- ☐ Repeat the PA message.
- ☐ Refer To EPI-FAP08, "Evacuation and Assembly," and conduct evacuation.
- ☐ Log time of announcement.

2. SERO Activation/State Notification

- ☐ Review and approve the Incident Report Form (IRF) for transmittal.
- ☐ Review and develop PARs in accordance with EPI-FAP06, "Classification and PARs."

Section E: General Emergency Immediate Actions

3. NRC Notification

- ☐ Direct the SDO to notify the NRC via the ENS.
- ☐ Verify the ST or SDO has contacted the resident inspector.

Section F: Routine and Follow-up Activities

NOTE

The initial stages of any emergency may require CR personnel to perform several required tasks. If necessary, the CR-DSEO has the authority to reassign tasks (other than classification, PARs, and emergency exposure dose extensions) to other available CR individuals.

- ☐ 1. Log all activities and decisions.
- ☐ 2. IF a release of radioactive material is in progress or is imminent, direct the Chemistry Technician to perform initial on-shift dose assessment.
- ☐ 3. Continuously evaluate or direct the evaluation of the EAL tables and fission product barriers for changes in event status.
- ☐ 4. Ensure the NRC is notified within 60 minutes of any event classification and whenever significant changes in conditions occur during the emergency.
- ☐ 5. Ensure follow-up notifications are routinely provided to the State and local agencies as appropriate.
- ☐ 6. IF the status of the fission product barriers or offsite radiological or meteorological conditions change, perform the following:
 - Evaluate the impact on PARs per EPI-FAP06, "Classification and PARs."
 - Provide changes to PARs to the State, as appropriate (non-delegable).
- ☐ 7. IF necessary, authorize extended emergency exposure limits (dose > 5 Rem is expected) and log any extensions.
- ☐ 8. IF suspension of safeguards and §50.54(x) action is invoked, ensure that the NRC is notified of the departure as soon as possible (but within one hour) using the ENS.
- ☐ 9. Direct the RMT #1 to perform control room and plant habitability surveys and sampling.
- ☐ 10. IF necessary, issue KI tablets and log time of issue.
- ☐ 11. Conduct periodic briefings with the control room staff.
- ☐ 12. IF events have been controlled to the point where termination of the emergency can be considered, Refer To EPI-FAP06, "Classification and PARs," for guidance.

Section G: Transfer of Command and Control

NOTE

Activation of the EOF and TSC/OSC should occur within 60 minutes of SERO notification.

The control room may transfer certain response functions (such as team dispatch, notification, etc.) to TSC or EOF individuals before the facilities are declared activated, provided command and control is maintained by the CR-DSEO.

Briefings to the ADTS and the on-call DSEO shall be conducted at the same time.

- ☐ 1. Simultaneously brief the DSEO and the ADTS using EPI-FAP15-001, "DSEO/ADTS Briefing Sheet" as a guide.

NOTE

For a Unit 1 event, the Unit 1 SM becomes the MCRO after a final turnover has been performed with the Unit 2 SM. The Unit 2 SM will have no further responsibilities in the event.

- ☐ 2. IF a Unit 1 event, perform a final turnover with the Unit 1 SM.
- ☐ 3. Upon formal relief by the DSEO, record turnover date and time in the logbook.
- ☐ 4. Go To EPI-FAP01-002, "Manager of Control Room Operations."

Prepared by: _____
Signature Print Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01-002 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess / D. Aloï	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(y) <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

SPG 9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Manager of Control Room Operations (MCRO)

This form provides guidance to the MCRO once the DSEO in the EOF has assumed command and control of the event.

Section A: Ongoing Activities

NOTE

Any personnel dispatched outside the control room during an emergency are considered a 'team'.

- ☐ 1. Notify the ADTS of any teams dispatched from the control room.
- ☐ 2. Log events and periodically review entries for accuracy and completeness.
- ☐ 3. Assess plant conditions and initiate corrective actions, as necessary.
- ☐ 4. Evaluate plant conditions and recommend classification changes to ADTS using EPI-FAP06, "Classification and PARs."
- ☐ 5. Periodically, or whenever significant changes in plant conditions occur, brief control room personnel on:
 - Plant status
 - Event classification
 - Operational priorities
 - SERO status (i.e. SERO control transferred to the EOF, MOSC resource needs, etc.)
 - Changing radiological conditions
- ☐ 6. Update the ADTS on the following:
 - Event assessment
 - Requested actions
 - Associated priorities
 - Control room activities in progress
- ☐ 7. Direct RMT #1 to assess on-site radiological conditions and perform HP actions to support on-shift personnel.

Section A: Ongoing Activities

- ☐ 8. As appropriate, direct the following on-shift personnel to report to the MOSC to support in-plant corrective actions.
 - RMT #1
 - Chemistry Technicians
- ☐ 9. As appropriate, direct non-essential control room personnel (i.e., PEO, non-certified operators) to the OSC Assembly Area.
- ☐ 10. Notify the MOSC of personnel deployed from the control room.
- ☐ 11. Monitor plant conditions, strategies, and procedures for beyond design basis actions needed to protect the health and safety of the public.
- ☐ 12. IF necessary, Refer To and implement Section C, "Accident Management Decision Making - 50.54(X)."
- ☐ 13. Support PASS sampling when directed by the ADTS.
- ☐ 14. IF requested by the ADTS, Refer To EPI-FAP08, "Evacuation and Assembly," and perform actions for site assembly and evacuation.

Section B: Classification Upgrade Announcements

NOTE

During a security event, it may be advisable **NOT** to sound an alarm or make an announcement.

- ☐ 1. Activate the outside speakers.
- ☐ 2. Announce the following over the station PA system:

Attention all personnel; attention all personnel. A (classification level _____) has been declared at (Unit # _____) due to (brief description of event _____).

- ☐ 3. Repeat the PA message.
- ☐ 4. Log the time of announcement.

Section C: Accident Management Decision Making - 50.54(x)

- ☐ 1. Identify scope and departure of the action.
- ☐ 2. IF time permits, obtain verbal or written approval on the strategy and procedure from the available senior SERO representative (i.e., DSEO, ADTS) using EPI-FAP02-012, "TSC Emergency Repair/Procedure Change/Assessment Recommendations," for guidance.
- ☐ 3. IF time does not permit discussion with the ADTS or DSEO, perform the following:
 - Take the departure actions necessary to protect the public or station personnel.
 - Inform the ADTS as soon as possible of the action.
- ☐ 4. Log the 10 CFR 50.54(x) actions taken.

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01-003 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/D/PC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> K. Burgess / D. Aloï	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(y)	<input checked="" type="checkbox"/> K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Independent	<input checked="" type="checkbox"/> K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/R/DH Final Review and Approval

John 9/24/00
Department Head/Responsible Individual /Date

Meeting No.: 0030

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Station Duty Officer (SDO)

This form provides guidance to the SDO for emergency response actions during a declared emergency.

Section A: Initial Actions

- ☐ 1. Notify CR-DSEO of arrival and obtain briefing.
- ☐ 2. IF requested, assist the CR-DSEO with precautionary dismissal or evacuation in accordance with EPI FAP08, "Evacuation and Assembly."
- ☐ 3. Contact and brief the unaffected unit Shift Managers of the event.
- ☐ 4. Notify the NRC Operations Center per EPI-FAP07, "Notifications and Communications," and if requested, maintain continuous communications.
- ☐ 5. Assist ST in performing other initial notifications such as:
 - NRC Resident
 - Non-responding offsite agencies
 - Other
- ☐ 6. Notify SSS (CAS) of any restrictions on SERO access into the protected area to staff the ERFs.
- ☐ 7. IF directed by CR-DSEO, issue station announcements.
- ☐ 8. Maintain a log of significant events and communications on the SERO Log Sheet.

Section B: Recurring Actions

- ☐ 1. Assist the CR-DSEO or MCRO, as requested.
- ☐ 2. Evaluate the need for outside agency assistance and Refer To EPI-FAP07, "Notifications and Communications," for additional information.
- ☐ 3. IF outside assistance is required, notify SSS to provide escort.
- ☐ 4. Maintain continuous communications with the NRC through the ENS, as required.
- ☐ 5. Perform turnover of NRC ENS communications with the MOC following EOF activation.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01-004 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> K. Burgess / D. Aloï	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	<i>9/19/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
<i>50.54(4)</i>	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

SPG *9/24/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

Approval Date

Effective Date

Control Room Shift Technician (CR-ST)

This form provides guidance to the ST for emergency response actions during a declared emergency.

Section A: Initial Actions

- ☐ 1. Notify CR-DSEO of presence and obtain a briefing.

Section B: Recurring Activities

- ☐ 1. Refer To EPI-FAP07, "Notifications and Communications," and perform off-site notification and updates, as directed.
- ☐ 2. When directed to contact back-up personnel, Refer To and review EPI-FAP15-013, "Fitness For Duty Questionnaire," with backups to ensure FFD criteria are met.

Section C: Transferring Notification to the EOF

1. Discuss the following items:
 - ☐ Event status
 - ☐ Plant conditions (stable, degrading)
 - ☐ Control Room turnover status (CR-DSEO)
 - ☐ IRF status (indicate time initial form sent and when updates are due)
 - ☐ Schedule for future or pending notifications (e.g., update messages, NRC follow-up).
 - ☐ ERDS activation status
 - ☐ Support needed to page or contact additional resources
 - ☐ Outside agencies requested (list agencies as appropriate)
2. When ready to conduct turnover, ensure the following:
 - ☐ CR-ST has logged off ENRS
 - ☐ EOF-ST has logged onto ENRS

Prepared by: _____

Signature _____ Print _____ Date _____

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01-005 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess / D. Aloï	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	KBurgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

12/21/00
Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

10/11/00
Approval Signature

Approval Date

Effective Date:

MP-05-DC-SAP01-001

Rev. 002-01

Page 1 of 1

10/11/00
Approval Date

12/21/00
Effective Date

Radiological Monitoring Team (RMT) #1

This form provides guidance to RMT #1 for emergency response actions during a declared emergency.

NOTE

Upon declaration of an emergency event, three on-shift Health Physics Technicians report to the affected unit control room to comprise RMT #1. RMT #1 provides health physics support to the following:

- Affected unit control room
- Search and rescue teams
- Emergency assessment and repair teams

The actual tasks performed by RMT #1 will vary depending upon the nature of the emergency event. Additional HP Technicians may also be called to assist with OSC deployed teams.

Additional equipment is available in each HP office and in the TSC/OSC.

Section A: Initial Actions

- ☐ 1. Notify CR-DSEO/MCRO of arrival and obtain briefing.
- ☐ 2. Obtain RMT #1 kit from the control room emergency equipment locker/area.
- ☐ 3. Refer To EPI-FAP15-002, "RMT Instrument, Battery, and Source Check Sheet," and perform the following:
 - Conduct checks of control room emergency radiological equipment.
 - Replace any inoperable equipment.
 - Record results on EPI-FAP15-002.
- ☐ 4. Accompany PEO or other control room personnel dispatched by the CR-DSEO/MCRO.

Section B: Actions for a Unit 1 Event

NOTE

1. A Unit 1 event will not exceed beta skin dose limits.
2. If an RO-2A is not available, an RO-20 may be used. The dose rate calculation is identical.

- ☐ 1. Using RO-2A, periodically monitor control room air.
- ☐ 2. Log readings and calculate the dose rate using Section F, "Unit 1 Event - Whole Body Gamma and Krypton-85 Beta Dose Rate Calculations."
- ☐ 3. Notify CR-DSEO of dose rates.

Section C: Actions for a Unit 2 or 3 Event

- ☐ 1. IF radiation levels have increased in the following areas, Refer To and complete Section E, "Obtaining a Control Room Air Sample:"
 - Affected unit control room
 - Unaffected unit control rooms
 - Other areas that may be specified by the CR-DSEO/MCRO

Section D: Recurring Actions

- ☐ 1. Evaluate need for issuing self-reading dosimetry to on-site personnel (i.e., all control rooms, CAS/SAS) and issue dosimetry, as necessary.
- ☐ 2. Provide Health Physics support for operations, search and rescue, and emergency assessment or repair teams, as follows:
 - Notify ARPS of pending team dispatch and obtain status of radiological conditions.
 - Refer To and complete a EPI-FAP15-010 form.
 - Using the EPI-FAP15-010 form, brief the team.
 - Ensure the MCRO has notified the ADTS of the pending team dispatch.
 - Once dispatched, periodically communicate with the OSC AA using a radio or telephone.
 - Notify the ARPS upon return to the control room and provide a debrief as necessary.
- ☐ 3. Establish frisking station(s) and ensure all personnel entering the area conduct a whole body frisk, if necessary.

Section D: Recurring Actions

- ☐ 4. Request additional personnel to assist with monitoring, decontamination, or team accompaniment from the ARPS, as necessary.
- ☐ 5. Conduct habitability surveys of assigned facility including the following, as applicable:
 - Radiation
 - Contamination
 - Airborne (11 minutes at 1.9 to 2.1 cfm unless directed otherwise)
 - Continuous air monitor operability, if applicable
- ☐ 6. Periodically notify CR-DSEO/MCRO of the results of habitability surveys.

NOTE

Administrative requirements should not delay prompt action to protect health and safety.

- ☐ 7. Obtain and distribute the following items as needed:
 - Emergency dosimetry.
 - Respiratory equipment and protective clothing.
 - Radios.
- 8. IF deployment from the control room is needed, perform the following:

C A U T I O N

Hand held radios are not to be operated in the control room.

- ☐ a. Conduct radio operability checks and replace inoperable radios.
- ☐ b. After dispatch from control room, establish periodic communications with the CR DSEO/MCRO or OSC AA, as applicable.
- ☐ c. If radio communications are not available, use telephone or other available systems for communications.
- ☐ d. Monitor radiological and plant conditions en-route to survey locations.
- ☐ e. When the survey location is reached, perform a radiological survey.
- ☐ f. Refer To EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and record survey results.

Section D: Recurring Actions



The MRCA should be notified of RMT locations to keep the RMTs informed of changing plant and radiological conditions and allow rapid response to changes to the assignment.

- ☐ g. Notify CR-DSEO/MCRO and OSC AA of survey results.
- ☐ h. Upon return to the control room, brief the CR-DSEO/MCRO on radiological conditions and other activities.
- ☐ 9. Upon TSC activation, brief the MRCA on status of radiological conditions and activities performed or in progress.
- 10. When the MRCA assumes control, conduct radiological surveys as follows:
 - ☐ a. Contact the ARPS for input to the briefing.
 - ☐ b. Proceed to the survey location and conduct a radiological survey.
 - ☐ c. Notify the OSC AA of the survey results.
 - ☐ d. When directed, report to designated low background area to await further instructions.
 - ☐ e. Request updates of conditions from the OSC AA every 15-30 minutes.

Section E: Obtaining a Control Room Air Sample

NOTE

An 11-minute sample is taken to ensure lower limits of detection are met. A 5-minute air sample is collected if a significant degradation in radiological conditions has occurred.

- ☐ 1. Using the following, collect a 5-minute air sample:
 - Particulate filter
 - Iodine sample cartridge (silver zeolite or equivalent)
 - Air sampler
 - Flow of 2.0 cfm (1.9-2.1 cfm)

Section E: Obtaining a Control Room Air Sample

- ☐ 2. Using the following, count the sample cartridge:
- E-140, HP-210, and DIG-5 or equivalent instrument combination
 - Background less than 10,000 cpm
 - 24 second count ("0.4" time setting)
- ☐ 3. Review Table 1 for recommended protective actions.

Table 1 Results of Five Minute Silver Zeolite Air Samples @ 2.0 cfm Using E-140, HP-210, DIG-5 and Associated Personnel Protective Actions for Control Room Personnel			
Net Counts (24 sec count)	DEQ I-131 ($\mu\text{Ci/cc}$)	Thyroid CDE (if inhaled for 1 hour)	Recommended Personnel Protective Action Decision for Control Room Personnel
$\geq 5,000$	$\geq 7.7 \times 10^{-6}$	$\geq 10 \text{ rem}$	1. Evacuate non-essential personnel 2. Don respiratory protection 3. Send cartridge for isotopic analysis within 1 hour
$\geq 24,000$	$\geq 3.8 \times 10^{-5}$	$\geq 50 \text{ rem}$	Above actions plus: If iodine concentrations are confirmed by isotopic analysis, issue KI per EPI-FAP09
$> 95,000$ or off-scale	$> 1.5 \times 10^{-4}$	$> 200 \text{ rem}$	Above actions plus: Evacuate all CR personnel, as necessary.

- ☐ 4. Report sample results and recommended protective actions to CR-DSEO.
- ☐ 5. Send iodine cartridge for isotopic analysis.
- ☐ 6. When isotopic analysis is received, revise recommended protective actions, as necessary.

Prepared by: _____

Signature _____ Print _____ Date _____

Section F: Unit 1 Event - Whole Body Gamma and Krypton-85 Beta Dose Rate Calculations

Time of Sample	Location (CR 1, 2, 3)	RO-2A Readings ⁽¹⁾		Krypton-85 Beta Dose Rate (OW-CW) X2 ⁽³⁾	MCRO Notified
		Closed Window ⁽²⁾	Open Window		

⁽¹⁾ RO-20 is an acceptable alternative instrument.

⁽²⁾ Whole body gamma dose rate

⁽³⁾ OW means open window reading; CW means closed window reading

RMT #1 Signature/Date: _____ / _____

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP01-006 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓/N Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess / D. Aloj	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	K Burgess	9/14/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00-30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Chemistry Technician

This form provides guidance to the Chemistry Technician for emergency response actions during a declared emergency.

Section A: Initial Actions

- ☐ 1. Notify CR-DSEO of arrival.
- ☐ 2. Perform Chem Tech activities as directed by the CR-DSEO.
- ☐ 3. IF a radiological release is in progress, Refer To and perform EPI-FAP10, "Dose Assessment."
- ☐ 4. Request operability status of Met tower and availability of backup data if the main tower is not in service.

Section B: Subsequent Actions

- ☐ 1. Ensure Chemistry functions are being met.
- ☐ 2. Continually monitor need for dose assessments.
- ☐ 3. Conduct turnover with the following:
 - MRDA or AMRDA for meteorology (specific to Met tower operability), dose assessment (IDA), and effluent monitor status.
 - MOSC for any sampling activities performed or in progress.
- ☐ 4. IF rad levels permit, request to be released to the OSC AA from the CR-DSEO.

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-EAP01-007 Rev. No.: 000 Minor Rev.: _____

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> K. Burgess / D. Aloj	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	<i>9/19/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(4)	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>KBurgess</i>	<i>9/14/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/R/DH Final Review and Approval

Stan *9/24/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

AS
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

10/11/00
Approval Date

12/21/00
Effective Date

Control Room Data Coordinator (CRDC)

This form provides guidance to the Control Room Data Coordinator for emergency response actions during a declared emergency.

Section A: Initial Actions - Affected Unit CRDC

- ☐ 1. Notify CR-DSEO/MCRO of arrival.
- ☐ 2. Consult CR-DSEO or SDO to determine event conditions and status.
- ☐ 3. Provide names of CRDCs and plant parameters to the TIC in the EOF.

NOTE

The affected unit CRDC may delegate responsibility for OFIS operation in the affected unit control room to the non-affected unit CRDC.

- ☐ 4. IF OFIS is operable, access OFIS in accordance with EPI-FAP15-006, "OFIS Instructions."
- 5. IF OFIS is not operable, perform the following:
 - ☐ a. Notify TIC that OFIS is inoperable.
 - ☐ b. Record plant parameter data specific to the affected unit and requested by the TIC approximately every 15 minutes on the appropriate Critical Parameter Data Sheet.
 - EPI-FAP15-007, "Critical Parameter Data Sheet - MP1"
 - EPI-FAP15-008, "Critical Parameter Data Sheet - MP2"
 - EPI-FAP15-009, "Critical Parameter Data Sheet - MP3"
 - ☐ c. Refer To EPUG-08B, "Millstone Emergency Plan Resource Book," and transfer Critical Parameter Data Sheet to the TIC by OPs Net, telephone or fax machine.
 - ☐ d. IF other plant data is requested, Refer To EPI-FAP15-004, "Plant Parameter Data Requested/Provided," and obtain data as directed by the TIC.

Section A: Initial Actions - Affected Unit CRDC

- ☐ 6. Maintain a chronological log on OFIS screen A14 (Bulletin Board) or in a log book if OFIS is unavailable, documenting the following, as a minimum:
 - Procedures implemented (AOPs, ONPs, EOPs)
 - Significant events (event classifications, mitigative actions, plant announcements, §50.54(x) issues, etc.)
- ☐ 7. Check with the operating crew to determine if any Reactor Vessel Level sensors are providing inappropriate data on OFIS.
- ☐ 8. Notify TSC staff and TIC of any problem with Reactor Vessel Level sensors.

Section B: Non-Affected Unit CRDC Actions

- ☐ 1. IF the affected unit CRDC has not arrived, Refer To and implement Section A, "Initial Actions - Affected Unit CRDC."
- ☐ 2. Provide assistance to the affected unit CRDC.

Section C: Event Termination

- ☐ 1. WHEN notified of SERO termination by the TIC, perform the following:
 - IF OFIS is operable, record SERO termination on OFIS screen A14.
 - Print all items entered into the chronological log.
 - Terminate OFIS.
 - Assemble completed documentation for event reconstruction.

Prepared by: _____
Signature Print Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPS	✓
50.54(q)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date:

**Functional
Administrative
Procedure**



**Technical Support Center
Activation and Operation**

MP-26-EPI-FAP02

Rev. 0

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

Table of Contents

1. PURPOSE	
1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	2
2. INSTRUCTIONS	6
3. SUMMARY OF CHANGES	7
3.1 Original issue	7
4. ATTACHMENTS AND FORMS	
Attachment 1: Definitions and Abbreviations	8
Attachment 2: Responsibilities	10
MP-26-EPI-FAP02-001, "Assistant Director Technical Support (ADTS)"	
MP-26-EPI-FAP02-002, "TSC Shift Manager (TSCSM)"	
MP-26-EPI-FAP02-003, "Manager of Radiological Consequences Assistant (MRCA)"	
MP-26-EPI-FAP02-004, "RMT #2 (NAP-HP and SAP-HP)"	
MP-26-EPI-FAP02-005, "Radiological Communicator - TSC"	
MP-26-EPI-FAP02-006, "Manager of Technical Support Center (MTSC)"	
MP-26-EPI-FAP02-007, "Technical Support Center Reactor Engineer (TSCRE)"	
MP-26-EPI-FAP02-008, "Technical Support Center Electrical Engineer (TSCEE)"	
MP-26-EPI-FAP02-009, "Technical Support Center Mechanical Engineer (TSCME)"	
MP-26-EPI-FAP02-010, "Accident Management Team (AMT)"	
MP-26-EPI-FAP02-011, "Manager of Security (MOS)"	
MP-26-EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations"	

1. PURPOSE

1.1 Objective

This procedure provides guidance to Station Emergency Response Organization (SERO) personnel who report to the Technical/Operations Support Center (TSC/OSC) during an event.

1.2 Applicability

Activation of the TSC/OSC is initiated upon declaration of an ALERT, State Posture Code Charlie-One, or higher event.

1.3 Supporting Documents

EPI-FAP08, "Evacuation and Assembly"

EPI-FAP09, "Radiation Exposure Controls"

EPI-FAP12, "Thermal Hydraulic Evaluation"

EPI-FAP15, "Common Forms"

OP 3315E, "Technical Support Center Ventilation"

SDI 612, "Security Reports"

SEP 5041, "Security During Emergencies"

SEP 5034, "Medical Emergencies"

C OP 204, "Response to Medical Emergencies"

RPM 1.5.4, "Response to a Contaminated Injured Person"

1.4 Discussion

1.4.1 Control and Limitations of TSC Ventilation and Capacity

The TSC/OSC ventilation system is designed for 20 persons. Capacity may be exceeded (40 people for up to 6 hours) without exceeding CO₂ limits for team briefings, turnovers, ALARA, or if TSC/OSC is monitored.

1.4.2 10 CFR 50.54(x) Invocation

- a. As discussed in the Statements of Consideration to 10 CFR Part 50, emergencies can arise during which compliance with a license condition or a Technical Specification could prevent necessary action by the licensee to protect the public health and safety. Absolute compliance with the license during these emergencies can be a barrier to effective protective action.

- b. Unanticipated circumstances can occur during the course of an emergency which may call for responses different from any previously considered during the course of licensing. Special circumstances requiring a deviation from license requirements are not necessarily limited to transients or accidents not analyzed in the licensing process. Special circumstances can arise during emergencies involving multiple equipment failures or coincident accidents where plant emergency procedures could be in conflict with or not applicable to the circumstances. In addition, an accident can take a course different from that which was addressed when the emergency procedure was written, thus requiring a protective response at variance with a procedure required to be followed by the licensee which may ultimately be contrary to current Technical Specifications or the license condition.
- c. 10 CFR 50.54(x) will permit the licensee to take reasonable action in an emergency even though the action departs from licensing conditions or plant Technical Specifications. This action may only be taken however, if the following criteria are met:
- The action is immediately needed to protect the public health and safety, including plant personnel.
 - No action consistent with the license conditions and Technical Specifications is immediately apparent that can provide adequate or equivalent protection.
 - As a minimum, a licensed senior operator approves the action.
- d. Applicability Determination

The NRC can amend Technical Specifications or license conditions. The §50.54(x) regulation is not intended to apply in circumstances where time allows this normal process to be followed. The regulation applies only to those emergency situations in which immediate action is required by the licensee to protect public health and safety and this action is contrary to a Technical Specification or license condition.

Operating outside the boundaries of approved procedures or in the absence of procedures does not in and of itself meet the threshold for invocation of §50.54(x). Also, the existence of a safety analysis (§50.59) conducted for the purpose of determining whether an unreviewed safety question exists is not sufficient to determine whether application of §50.54(x) is appropriate. §50.54(x) is not intended for use as a general regulatory protective shield for all actions not addressed by current procedures. Even after §50.54(x) has been invoked, each subsequent action taken must be evaluated for §50.54(x) applicability with all necessary approvals and notifications being made for each invocation, as appropriate.

Additionally, the §50.54(x) and (y) amendments were not written for the purpose of establishing procedures and guidance (such as SAMG) that may be useful at some future date (e.g., preplanning and contingency actions). The determination to discontinue following plant operating procedures and/or EOPS, and to begin following SAMG, by itself, does not constitute a departure from a license condition or Technical Specification and, therefore, does not require invocation of §50.54(x). Note however, it is possible that the first action directed during SAMG implementation may actually require §50.54(x) invocation.

The threshold for invocation is met only if the action being taken is not consistent with current license conditions and Technical Specifications. Additionally, the action must meet the time and safety dependent criteria previously discussed. Then and only then should the invocation of §50.54(x) be considered for approval.

e. Approval

A licensed senior operator position is the minimum level within the organization, not the only position, authorized to approve invocation of §50.54(x). 10 CFR 50.54(y) states, "Licensee action permitted by paragraph (x) of this section shall be approved, as a minimum, by a licensed senior operator..." This wording makes it clear that such action must be approved by at least a licensed senior operator acting for the licensee. The regulation focuses on the responsibilities of facility licensees and only peripherally includes licensed senior operators. Under the provision any licensed senior operator (licensed for the Unit involved) would be sufficient. However, during declared emergencies more senior licensee personnel would eventually become available. The decision to depart from the license would then pass to these more senior personnel already identified in the Emergency Plan.

Ultimate responsibility for the health and safety of the general public and station personnel in an emergency resides in the highest authority in the chain of command. The persons responsible for the health and safety of the general public and station personnel are already identified in the facility license and implementing procedures. These persons include the ADTS and the DSEO following emergency response facility activation. If however, an emergency should occur on a backshift, no licensee representative higher than a licensed senior operator in the chain of command is likely to be available. Therefore, the departure from a license condition or Technical Specification requires the approval of a licensed senior operator as a minimum.

To require any additional approvals or concurrence, such as from senior licensee representatives or the NRC, would defeat the purpose of §50.54(x). Concurrence or approval from the NRC is also not necessary, as this action would amount to a license amendment using procedures contrary to those existing for amendments. NRC concurrence would additionally shift the burden of responsibility for station safety from the licensee to the NRC.

f. Reportability

Deviations authorized pursuant to 10 CFR 50.54(x) are reportable as soon as practical and in all cases within one hour under 10 CFR 50.72(b)(1)(i)(B), or 10 CFR 50.73(a)(2)(i)(C), if not reported simultaneously with emergency notification under 10 CFR 50.72(a). When time permits, the notification is made before the protective action is taken; otherwise, it is made as soon as possible thereafter. Additionally, a Licensee Event Report will be generated and submitted to the NRC within 30 days.

g. Subsequent Actions

Following invocation of 50.54(x) and notification of the NRC, actions are taken as soon as practical to restore the plant to full compliance with Technical Specifications and all conditions of license.

1.4.3 On-Site Personnel Protective Action Decisions (PPADs)

The implementation of PPADs is an important function of the TSC/OSC. These PPADs include: evacuating or relocating on-site personnel, providing access control to on-site areas, issuing Potassium Iodide (KI), and/or radiological controls.

1.4.4 Control of On-Site Technical, Operational, Assessment, and Repair Staffs

The TSC/OSC provides an emergency response facility to control the on-site technical, operational, assessment and repair staffs. This includes performing analysis of plant conditions and corrective actions, providing guidance to the control room regarding returning the plant to a safe condition, providing accident management guidance, and prioritizing assessments for damage, repair and radiological activities.

1.4.5 Definitions and abbreviations are contained in Attachment 1. Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Refer To and complete the following, as applicable:

NOTE

Steps in the position specific checklists may be performed in any order, or more than once, as necessary.

- EPI-FAP02-001, "Assistant Director Technical Support (ADTS)"
- EPI-FAP02-002, "TSC Shift Manager (TSCSM)"
- EPI-FAP02-003, "Manager of Radiological Consequences Assistant (MRCA)"
- EPI-FAP02-004, "RMT #2 (NAP-HP and SAP-HP)"
- EPI-FAP02-005, "Radiological Communicator - TSC"
- EPI-FAP02-006, "Manager of Technical Support Center (MTSC)"
- EPI-FAP02-007, "Technical Support Center Reactor Engineer (TSCRE)"
- EPI-FAP02-008, "Technical Support Center Electrical Engineer (TSCEE)"
- EPI-FAP02-009, "Technical Support Center Mechanical Engineer (TSCME)"
- EPI-FAP02-010, "Accident Management Team (AMT)"
- EPI-FAP02-011, "Manager of Security (MOS)"
- EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations"

2.2 IF an action is not appropriate under existing conditions or was not necessary for the event, enter N/A when completing documentation for submittal.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 2)

Definitions

Activation - All functions, minimum staffing requirements, and turnovers have been completed and the senior SERO position in the facility declares it active.

Alpha or Bravo - State of Connecticut posture codes issued with a GENERAL EMERGENCY classification. A technical basis for developing a PAR as a result of that classification.

Minimum Staff - Positions in the facility which are necessary before activation may occur.

Mission Specific Exposure Limits - Specific exposure limits based on job task assignments for emergency team members.

Plant Condition - A technical basis for developing a PAR as a result of actual or imminent loss of all 3 fission product barriers, or based on high containment radiation levels.

Unmonitored Release - A suspected or actual release of radioactive material to the environment without passing through an operational process or radiation monitor.

Abbreviations

ADEOF - Assistant Director Emergency Operations Facility

ADTS - Assistant Director Technical Support

AMRDA - Assistant Manager of Radiological Dose Assessment

CDE - Committed Dose Equivalent for the thyroid (usually in units of Rem)

CR-DSEO - Control Room Director of Station Emergency Operations

EAL - Emergency Action Level

EOF - Emergency Operations Facility

ERF - Emergency Response Facility

IRF - Incident Report Form

KI - Potassium Iodide

LAN - Local Area Network

MCRO - Manager of Control Room Operations

Attachment 1

Definitions and Abbreviations

(Sheet 2 of 2)

MOS - Manager of Security

MRDA - Manager of Radiological Dose Assessment

MTSC - Manager of Technical Support Center

OFIS - Off-Site Facilities Information System

OSC - Operations Support Center

PCs - Protective Clothing

PPADs - Personal Protective Action Decisions

SERO - Station Emergency Response Organization

SSS - Security Shift Supervisor

ST - Shift Technician

TIC - Technical Information Coordinator

TSC - Technical Support Center

Attachment 2 Responsibilities

(Sheet 1 of 3)

1. Assistant Director Technical Support

The ADTS is responsible for directing and managing the MCRO, MTSC, MOSC, MRCA, and MOS. The ADTS reports to and assists the DSEO. The ADTS is responsible for the following:

- Providing event classification input to the DSEO
- Prioritizing damage assessment and repair activities of the TSC and OSC
- Coordinating and directing the TSC and OSC, and providing guidance to the control room(s)
- Returning the facility to a safe configuration
- Authorizing emergency reentry into radiological areas for assessment, repair, or search and rescue
- Authorizing emergency exposure upgrades up to 25 rem TEDE for emergency workers inside the Protected Area
- Authorizing the use of Potassium Iodide (KI) for emergency workers inside the Protected Area
- Evaluation of conditions and direction of entry into Severe Action Management Guidelines with the support of the MCRO

2. TSC Shift Manager

The TSCSM reports to the ADTS in the TSC. The TSCSM is responsible for:

- Maintaining communications with the Control Room.
- Monitoring EAL tables and providing classification and barrier status recommendations to ADTS
- Monitoring Control Room progress in Emergency Operating Procedures (EOPs)
- Providing support to TSC personnel for determining success paths.

3. Manager of Radiological Consequence Assessment

The MRCA reports to the ADTS in the TSC. The MRCA is responsible for:

- Providing radiological guidance and support for site evacuation and emergency teams
- Coordinating on-site radiological surveys and assessment
- Informing the ADTS of abnormal or transient on-site radiation levels and conditions and recommending PPADs to the ADTS
- Advising the ADTS regarding authorizing exposure limit increase for emergency workers
- Providing recommendations to the ADTS for issuance of Potassium Iodide (KI) to emergency workers on-site

Attachment 2 Responsibilities

(Sheet 2 of 3)

3. RMT #2

RMT #2 reports to the MRCA in the TSC. Responsible for providing evacuee monitoring at the NAP and SAP, and performing on-site surveys, collecting radiological samples or providing HP support as assigned.

4. Manager of Technical Support Center

The MTSC reports to the ADTS. The MTSC is responsible for the following:

- Analyzing plant conditions and status
- Providing critical plant parameter information to the ADTS
- Resolving existing and potential engineering and technical problems to mitigate the consequences of the event
- Determining emergency event cause and corrective actions
- Developing action plans to mitigate emergency conditions
- Supervising the Accident Management Team (AMT) in performing analysis of plant conditions and corrective actions
- Providing technical support to the ADTS, MCRO, and MOSC
- Developing procedures or 10 CFR 50.54(x) deviations for approval
- Coordinating activities with the unaffected units

5. Technical Support Center Reactor Engineer

The TSC Reactor Engineer reports to the MTSC. The TSC Reactor Engineer is responsible for reactivity management guidance and assistance of the AMT with thermal hydraulic calculations.

6. Technical Support Center Electrical Engineer

The TSC Electrical Engineer reports to the MTSC. The TSC Electrical Engineer is responsible for providing the MTSC with electrical engineering and general support.

7. Technical Support Center Mechanical Engineer

The TSC Mechanical Engineer reports to the MTSC. The TSC Mechanical Engineer is responsible for providing the MTSC mechanical engineering and general support.

Attachment 2 Responsibilities

(Sheet 3 of 3)

8. Accident Management Team Leader, Mech. and Thermal-Hydraulics Engineer

The AMTL reports to the MTSC. The AMT members report to the AMTL. The AMT is responsible for analyzing thermal hydraulic response of the plant and assisting the MTSC in developing accident response strategies, including severe accident management efforts.

9. Manager of Security

The MOS reports to the ADTS in the TSC. The MOS is responsible for the following:

- Station security and access control
- Personnel accountability
- Personnel evacuation and assembly
- Security escorts.

The MOS also provides security support for the following, as needed:

- Emergency operations
- Search and rescue teams
- Reentry and recovery operations

10. Radiological Communicator

The RADCOM reports to the MRCA and is responsible for:

- Communicating with on-site RMTs
- Updating status boards
- Providing necessary assistance to the ARPS

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 - 001 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Assistant Director Technical Support (ADTS)

This form provides guidance to the ADTS for emergency response actions during a declared emergency that activates the SERO.

Section A: TSC/OSC Activation/Initial Actions

NOTE

TSC/OSC activation is not required to provide immediate support to the control room.

- ☐ 1. Key into TSC/OSC.
- ☐ 2. Sign in on TSC/OSC Staffing Board.
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 4. Refer To EPI-FAP15-001 "DSEO/ADTS Briefing Sheet" and obtain an initial briefing from the control room (CRDSEO or MCRO) and the DSEO in the EOF.
- ☐ 5. Brief the TSC/OSC on plant status and control room priorities.
- ☐ 6. Check TSC/OSC and QSCAA SERO response status as follows:
 - Verify minimum facility staff is present.
 - IF minimum staffing is not present determine the ability of the SERO to activate as is and proceed as appropriate.
 - Ensure functional areas are prepared to become operational.
- ☐ 7. Formally relieve the CRDSEO of repair and search and rescue team deployment responsibilities and log the date and time of relief.
- ☐ 8. Declare the TSC/OSC and OSCAA activated and record activation time on the SERO Log Sheet.
- ☐ 9. IF the precautionary dismissal or evacuation was not performed by the CRDSEO prior to turnover, Direct CR to Refer To and Implement EPI-FAP08, "Evacuation and Assembly."

Section B: Routine Activities

- ☐ 1. Track the response of additional On-Call and Subject-to-Call SERO personnel and direct the MOR to contact personnel for unfilled positions.
- ☐ 2. Direct non-assigned TSC/OSC personnel to go to the OSC Assembly Area.
- ☐ 3. Establish TSC/OSC priorities and direct the initial response.
- ☐ 4. Notify the DSEO of any recommended changes in event classification or barrier status.
 - IF conditions change, Refer To EPI-FAP06, "Classification and PARs," for the affected unit and immediately recommend classification changes to the DSEO, as appropriate.
 - WHEN the DSEO escalates the event classification, inform personnel in the TSC/OSC and OSC Assembly Area.
- ☐ 5. IF Site Area or General Emergency is declared, Direct Control Room to perform the following:
 - Make the classification upgrade announcement.
 - Refer To and Implement EPI-FAP08, "Evacuation and Assembly."
- ☐ 6. Keep the DSEO updated on the status and priority of assessment and repair activities.
- ☐ 7. Direct and approve on-site PPADs considering the following:
 - IF time permits, discuss logistics for the on-site PPADs with the MTSC, MOSC, MOS, and MRCA.
 - IF there is a potential for an airborne radiological release affecting the TSC/OSC, announce that there will be no eating or drinking until further habitability is verified within the facilities.
 - IF there is a localized emergency (security, high radiation, fire), include its type and location in an announcement and instruct personnel to stand clear of the area.
 - Inform the DSEO of any implemented on-site PPADs.
- ☐ 8. Refer To EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations," and authorize departure from normal station operations and maintenance procedures.

Section B: Routine Activities

- ☐ 9. Develop strategies with the MTSC to address the following:
 - Prevention of severe core damage
 - Increasing time to core uncover
 - Prevention of containment failure
 - Reduction and/or termination of radiological releases to the environment
- ☐ 10. Notify the MCRO of the following:
 - Procedure development for outside design basis operations
 - TSC/OSC Priorities
 - Core thermal hydraulic analysis and time to core uncover
 - Entry into Severe Accident Management Guidelines
 - Projected plant system degradation and event conditions
- ☐ 11. Establish the following emergency assessment and repair actions:
 - Repair/evaluation priorities
 - Estimated repair times
 - Need to authorize mission specific emergency exposure upgrades to 25 Rem TEDE
 - Authorization for work assignments and reentry
- ☐ 12. Notify the DSEO of §50.54(x) use and of the requirement to notify the NRC of the departure as soon as possible.
- ☐ 13. Provide the DSEO with current and projected analyses of plant conditions and status on a routine basis.
- ☐ 14. Verify the MOSC has requested Site Fire Protection initiate monitoring of CO₂ levels in the TSC/OSC.
- ☐ 15. Brief the NRC Site Team of actions taken and planned upon their arrival in the TSC/OSC.

Section C: Emergency Exposure Controls

- ☐ 1. IF notified by the MRCA that implementation of EPI-FAP09, "Radiation Exposure Controls," is needed for emergency exposure increases or issuing KI to on-site SERO emergency workers, perform the following:
- Evaluate the emergency condition.
 - IF KI is warranted, inform the DSEO that KI will be issued to on-site SERO emergency workers.
 - IF exposure upgrades up to 25 Rem are required, inform DSEO of increase.
 - IF exposure upgrades greater than 25 Rem are required, obtain DSEO approval.
 - Refer To EPI-FAP09-003 and sign and date appropriate form, indicating approval.
- ☐ 2. Coordinate the release of contaminated person from site to a designated decontamination location.

Section D: Event Termination and Recovery Actions

- ☐ 1. Monitor affected unit conditions and recommend termination to Recovery actions to the DSEO when appropriate.
- ☐ 2. IF long term damage to the plant has not occurred, perform the following:
- Brief TSC/OSC on plant conditions allowing termination.
 - Direct TSC/OSC staff to return facilities to pre-emergency state of readiness.
 - Record SERO termination in logbook.
- ☐ 3. IF long term damage to the plant has occurred and Recovery option is selected, perform the following:
- Brief TSC/OSC on plant conditions and entry into Recovery.
 - Refer To and implement EPI-FAP14, "Recovery."
 - Record SERO termination in logbook.

Prepared By: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 - 002 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/6/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

TSC Shift Manager (TSCSM)

This form provides guidance to the TSCSM for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into the TSC and sign in on TSC Staffing Board.
- ☐ 2. Initiate a log of significant events and communications on EPI-FAP15- 012, "SERO Log Sheet," log date and arrival time.
- ☐ 3. Establish communications with CRDC, TIC, and State EOC Technical Assistant and determine the event conditions and status.

Section B: Recurring Actions

- ☐ 1. Obtain EOPs and monitor control room actions.
- ☐ 2. Monitor communications and provide input or request clarification, as necessary.
- ☐ 3. Review EPI-FAP06 for EAL initiating conditions and determine Fission Product Barrier Status and track possible paths to escalation.
- ☐ 4. Notify the ADTS of potential changes to emergency classification or plant conditions which may affect PARs.
- ☐ 5. Provide the ADTS with the following event updates:
 - Procedures in use (e.g. EOPs, AOPs, etc.)
 - Changing plant parameters
 - Fast-breaking events
- ☐ 6. Provide troubleshooting and strategy support to the TSC personnel.
- ☐ 7. Assist with the monitoring of SPDS.

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-003 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RVDH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Manager of Radiological Consequence Assessments (MRCA)

This form provides guidance to the MRCA for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into TSC.
- ☐ 2. Sign in on TSC Staffing Board.
- ☐ 3. Obtain a briefing from the ADTS and MOSC.
- ☐ 4. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 5. Ensure communications are established with the following personnel to determine event conditions and exposure potential for SERO members:
 - RMT #1
 - ARPS
 - MOS
 - EOF RADCOM
 - RMT #2 (NAP/SAP)
- ☐ 6. Direct the ARPS to assign HP Tech to conduct habitability for the TSC/OSC

Section B: Recurring Activities

- ☐ 1. If exposure upgrade or KI is needed, Refer To and implement EPI-FAP09, "Radiation Exposure Controls."
- ☐ 2. Upon receipt of air sample data, from the Control Room, perform the following:
 - If less than 30 minutes after the reactor trip, go to Section G and determine recommended PPADs.
 - If greater than 30 minutes after the reactor trip, go to EPI-FAP09-005.
- ☐ 3. Notify ADTS of recommended PPADs such as:
 - Relocation of an ERF (i.e., OSC AA, Control Room, CAS)
 - Use of KI
 - Security force relocation
 - Access control of affected areas of buildings

Section B: Recurring Activities

- ☐ 4. Notify the following of the appropriate level of radiation protection measures needed for personnel in the field:
 - MCRO
 - MOSC
 - Unaffected Control Room Shift Managers
 - MOS
- ☐ 5. WHEN isotopic analysis for measured I-131 is received, Refer To Section G and revise recommended PPADs, as necessary.
- ☐ 6. Ensure additional HP staff are available to perform the following tasks:
 - Habitability surveys (Control Rooms, EOF, TSC/OSC and OSC AA)
 - EOF Decontamination facility set-up and operation
 - EOF HP Control Point (portal monitor) monitoring
 - EOF Count room set-up and operation
 - Constant air monitor (CAMS-3 or equivalent) startup
- ☐ 7. IF CAMs are *not* operable OR alarm, direct collection of grab samples at intervals warranted by any of the following,:
 - Probability of release
 - Expected magnitude and duration of release
 - Release source, path, and wind direction
 - Observed air sample results or trends
 - Indications from other radiation monitors
 - MRCA judgement
- ☐ 8. Request additional HP staff from MOR, as necessary.
- ☐ 9. Direct MOS and MOR to establish controls for personnel responding to the station.
- ☐ 10. Review adequacy of PPADs.
- ☐ 11. Ensure the MOC is receiving radiological data in response to NRC requests.
- ☐ 12. Provide guidance to MOR for coordinating radiological control of on-site food and water supplies.
- ☐ 13. Consult with MRDA and MOR to determine need for off-site assistance for radiological monitoring and decontamination activities.

Section B: Recurring Activities

- ☐ 14. Determine if personnel require the following:
- Whole body count
 - Medical referral (i.e., bioassays or hospitalization)

NOTE

If personnel are in hazardous areas or plant conditions are rapidly changing, communications with personnel should be maintained every 15-30 minutes. If conditions are more stable, communications may be maintained hourly or as dictated by the situation.

- ☐ 15. Inform HP staff of plant conditions, classification, and protective actions.
- ☐ 16. Ensure notifications for emergency exposures in excess of 4.5 Rem have been performed in accordance with EPI-FAP09, "Exposure Controls."

Section C: Control of On-Site Radiological Monitoring Teams

- ☐ 1. Ensure on-site RMTs and emergency repair teams are briefed on the following:
- Plant conditions (current and projected)
 - Radiological conditions (current and projected)
 - Meteorological conditions (current and projected)
 - Survey locations
 - Low background areas
 - Access routes
 - Exposure limits and turnback values
 - Backup telephone number to TSC/OSC

NOTE

On-site teams may be deployed from the CR or OSC AA very early in the event. HP Technicians may also be deployed with emergency repair teams.

- ☐ 2. Designate on-site RMTs as follows:
- Label the first RMT #1 as "RMT #1 A."
 - Label the second RMT #1 AS "RMT #1 B."
 - Label RMT #2 located at NAP as "RMT NAP."
 - Label RMT #2 located at SAP as "RMT SAP."

Section C: Control of On-Site Radiological Monitoring Teams

- ☐ 3. Ensure the on-site Radiological Survey board is maintained current as survey results are reported by on-site RMTs.
- ☐ 4. Direct on-site RMTs to transport samples to onsite count rooms or the EOF for analysis, as necessary.

NOTE

The MRCA may delegate responsibility for I-131 calculations. It is recommended that results be communicated to the MRDA and ARPS.

- ☐ 5. Refer To and complete EPI-FAP09-005, "Calculation of I-131 Activity Worksheet Based on HP-210 Count," as necessary.
- ☐ 6. Refer To and complete EPI-FAP09-006, "Thyroid CDE Based on Field Air Samples," as necessary.
- ☐ 7. Provide ADTS, EOF RADCOM and OSC ARPS with on-site radiological survey results, paying particular attention to those areas where repair teams may be dispatched to implement mitigation strategies.

Section D: Sheltering, Evacuation, and Assembly

NOTE

If the potential exists for an increase in internal or external dose to personnel, the MRCA may recommend sheltering or evacuation of an area at any time.

- ☐ 1. IF radiation dose rates > 10 mRem/hr or I-131 levels > 10 x DAC (2.0 E-7 μ Ci/cc), recommend ADTS consider evacuation of affected areas.
- ☐ 2. IF radiation dose rates > 500 mRem/hr TEDE or I-131 levels > 500 x DAC, recommend the ADTS direct evacuation of affected areas.

Section E: Security Force and On-Site RMT Protection

- ☐ 1. IF protective measures are warranted, notify the following to advise their personnel:
 - MOS
 - ARPS
 - MCRO
- ☐ 2. Recommend protective measures consistent with station security and monitoring requirements for personnel assigned to the following functions:
 - Access road and parking lot traffic control
 - EOF access
 - Training building
 - Monitoring teams
 - Other personnel required to perform tasks in increased radiation level areas
- ☐ 3. Recommend measures to reduce exposure (ALARA) to affected managers and personnel.

Section F: Contaminated Individuals

- ☐ 1. Assign personnel to assist in the following activities:
 - Decontamination of individuals at designated locations
 - Transport of injured or contaminated personnel to treatment facilities
 - Decontamination
- ☐ 2. Refer To RPM 1.5.4, "Response to a Contaminated Injured Person," for the transportation of contaminated individuals.
- ☐ 3. Notify MRDA/EOF HP of contaminated individuals as deemed necessary.

Section G: Results of 5 Minute Silver Zeolite Air Samples @ 2.0 cfm Using E-140, HP-210, DIG-5

Net Counts * (24 sec count)	DEQ I-131 ($\mu\text{Ci/cc}$)	Thyroid CDE (if inhaled for 1 hr)	Recommended Protective Actions for CR Personnel
$\geq 5,000$	$\geq 7.7 \times 10^{-6}$	$\geq 10 \text{ rem}$	1. Evacuate non-essential personnel 2. Don respiratory protection 3. Send cartridge for isotopic analysis within 1 hour
$\geq 24,000$	$\geq 3.8 \times 10^{-5}$	$\geq 50 \text{ rem}$	Above actions plus: If iodine concentrations are confirmed by isotopic analysis, issue KI per EPI-FAP09
$> 95,000$ or off-scale	$> 1.5 \times 10^{-4}$	$> 200 \text{ rem}$	Above action plus: Evacuate all CR personnel, as necessary.

* The information in this column is to be used only during the first 30 minutes following a reactor trip.

Section H: Termination

- ☐ 1. Ensure the Rad Communicators account for all on-site RMTs and secure the on-site Radio Net System.
- ☐ 2. Send emergency worker dosimetry records to HP.
- ☐ 3. Update exposure records.
- ☐ 4. Collect all forms completed by personnel that report to the MRCA.
- ☐ 5. Record SERO termination in MRCA Logbook.

Prepared by: _____
Signature Print Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-004 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ if Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

RMT #2 (NAP-HP and SAP-HP)

This form provides guidance to the RMT #2 for emergency response actions during a declared emergency that activates the SERO.

NOTE

Each RMT #2 is usually comprised of 2 Health Physics Technicians. Based on conditions, the following actions may be split between the 2 Health Physics Technicians comprising each RMT #2 and performed as appropriate.

Section A: Initial Actions

NOTE

The MRCA may assign additional RMTs locations or tasks that do not require an RMT kit. In this case, equipment checks may be performed as required.

- ☐ 1. Obtain the following:
 - RMT #2 kit from emergency equipment locker.
 - Briefing from MRCA or Designee.
 - Low range dosimeter, high range dosimeter, and thermoluminescent dosimeter (TLD).
- ☐ 2. Refer To EPI-FAP15-002, "RMT Instrument, Battery, and Source Check Sheet," record battery and functional check results for equipment in RMT #2 kit.
- ☐ 3. IF radio communication is not available notify MRCA via telephone or other available means.
- ☐ 4. Maintain communications with RADCOM at 15-30 minute intervals or as required by the situation.
- ☐ 5. Set portal monitors to bypass mode.
- ☐ 6. Conduct facility habitability surveys (radiation, contamination, and airborne).
- ☐ 7. Refer To EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and record survey results.
- ☐ 8. Select an area and setup a personnel frisking station.

Section B: Station Evacuation Activities

- ☐ 1. Designate a low background area for staff to use while awaiting further instructions.

NOTE

RMTs should not attempt to engage in crowd control. Security should be requested to assist with personnel who do not follow instructions.

- ☐ 2. Instruct individuals dressed in PCs to remove PCs.
- ☐ 3. Direct station evacuees through portal monitors.
- ☐ 4. IF portal monitors are not operable, perform hand and foot monitoring to segregate most heavily contaminated.

NOTE

Normal radiation background and release activity levels may be increased by direction of the MRCA.

- ☐ 5. IF an individual alarms the portal monitor twice, escort the individual to the personnel frisking station and monitor. Conduct the following as applicable:
- IF personnel monitoring area background is > 300 cpm, identify alternate low background area for monitoring and notify the MRCA
 - IF personnel monitoring results are < 100 cpm, allow individuals to proceed.
 - IF personnel monitoring results are > 100 cpm, perform the following:
 - a) Refer To EPI-FAP15-005, "Personnel Contamination Status," and record personnel contamination information.
 - b) If individual is grossly contaminated, contact the MRCA and arrange for transport to the EOF or onsite decon facility.
 - c) IF minor contamination is detected, perform decontamination using the normal facility wash rooms. Refer to RPM 2.11.1, "Surveys and Decon of Personnel and Clothing."
 - d) IF decontamination is successful, document the activity and release the individual to the unrestricted area.
 - IF decontamination is not successful, then:
 - a) IF no release is in progress OR imminent, contact MRCA and send individuals to unaffected unit personnel decontamination area.
 - b) IF a release is in progress send contaminated individuals to the EOF for decontamination.
 - IF decontamination is not successful, then:
 - a) IF no release is in progress OR imminent, contact MRCA and send individuals to unaffected unit personnel decontamination area.
 - b) IF a release is in progress, contact MRCA and arrange transport of individual to EOF for decon.

Section B: Station Evacuation Activities

- ☐ 6. IF injured personnel are identified call Ext. 2222 and notify the MRCA.

Section C: Termination

- ☐ 1. Deliver completed forms and attachments to the MRCA.
- ☐ 2. Restore equipment in HP or emergency equipment lockers.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-005 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr. →

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓/Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Radiological Communicator - TSC

This form provides guidance to the Radiological Communicator (RADCOM) for emergency response events that activate the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on TSC/OSC Staffing Board.
- ☐ 2. Notify the MRCA of arrival and obtain event conditions and status update.
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 4. Check radio for operability.
- ☐ 5. Establish communications (radio) with the following:
 - RMT #1 (affected control room)
 - RMT #2 (NAP and SAP)
 - ARPS

Section B: Recurring Activities

- ☐ 1. Monitor radiological communications.
- ☐ 2. Immediately inform MRCA of significant radiological changes.
- ☐ 3. Notify on-site RMTs of relocation or protective actions as determined by MRCA.
- ☐ 4. Maintain Radiological status boards, as necessary.
- ☐ 5. Support TSC/OSC habitability monitoring and response actions.
- ☐ 6. Support TSC/OSC decontamination activities.
- ☐ 7. Support MRCA requests.

Prepared by: _____

Signature

Printed Name

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-006 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr. to

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/1/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPB	✓
50.54(q)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/1/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/1/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/1/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

[Signature] 10/1/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Manager of Technical Support Center (MTSC)

This form provides guidance to the MTSC for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into TSC/OSC.
- ☐ 2. Sign in on TSC Staffing Board.
- ☐ 3. Evaluate event and select plant parameters critical to monitoring plant status.
- ☐ 4. Direct the Unit 3 Control Room to refer to OP3349, "Modcomp Process Computer System Operations," and perform actions to shift the process computer (SPDS) from the Computer Room II console to the TSC console.

NOTE

If OFIS and SPDS are inoperable, data may be obtained by requesting the CRDC to complete and fax the following forms, as applicable, at the desired interval:

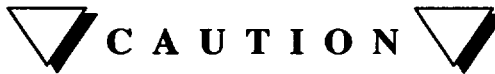
EPI-FAP15-007, "Critical Parameter Data Sheet - MP1"

EPI-FAP15-008, "Critical Parameter Data Sheet - MP2"

EPI-FAP15-009, "Critical Parameter Data Sheet - MP3"

- ☐ 5. Perform tracking and trending at 15-30 minute intervals, or as necessary.
- ☐ 6. Obtain copy of pre-event and critical plant parameter data for affected unit.
- ☐ 7. Assign staff member to perform the following:
 - Maintain a record of significant communications and events on EPI-FAP15-012, "SERO Log Sheet."
 - Record names of TSC staff in SERO Logsheet.
 - Log information, as directed by the ADTS.
- ☐ 8. Assign staff members to maintain status boards with the following information:
 - Reactor Status (power level, time of trip, etc.)
 - Chronology of key events
 - Critical parameters
 - Unit status
 - Safety related equipment out of service
- ☐ 9. Notify the ADTS when minimum staffing requirements for TSC are met.

Section B: Recurring Activities



The TSC/OSC HVAC system will change mode of operation upon a Unit 3 CBI signal. The Outside Air Supply Damper [3H WS*MOD 30] isolates for 30 minutes following a CBI.

- ☐ 1. IF CBI occurs, Direct a staff member to refer to Section C, "TSC/OSC Ventilation Alignment," and verify ventilation system operation.

NOTE

Actions for a Loss of Power and Loss of Coolant Accident are a design basis commitment for Unit 3. Similar requirements exist for Units 1 and 2.

- ☐ 2. IF event is Loss of Off-Site Power or Loss of Coolant Accident, Direct TSC staff to provide AC power load shedding recommendations within 24 hours of LOP or LOCA.
- ☐ 3. Perform the following within 4 hours of LOP or LOCA event:
- IF Units 1 and 2, evaluate need to order emergency diesel generator or gas turbine fuel to extend on-site capacity and direct the MOR to order fuel, as required.
 - IF Unit 3, direct MOR to place an order for emergency diesel generator fuel and specify delivery is required within 24 hours.
- ☐ 4. IF fuel oil cannot be delivered within the specified time, perform the following:
- Refer To affected unit procedures and evaluate load shedding alternatives.
 - Provide recommendations to the ADTS and MCRO.
- ☐ 5. IF requested by the MOSC, review EPI-FAP15-010, "Emergency Team Briefing Sheet" to provide additional information as necessary to teams prior to deployment.
- ☐ 6. Coordinate development of emergency repair strategies to support emergency teams, as required.
- ☐ 7. Analyze plant steady-state and dynamic behavior prior to and during the event and determine cause and course of mitigation/stabilization efforts event.
- ☐ 8. Evaluate the emergency event based on degraded plant conditions and perform the following:
- a. Review repair requirements and priorities for correcting the condition.
 - b. Recommend changes in priorities to the ADTS as required.

Section B: Recurring Activities**NOTE**

EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations," does not supercede normal procedure change requirements. It allows flexibility in fast moving events.

- ☐ 9. Refer To EPI-FAP02-012, "TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations," and develop strategies and procedures.
- ☐ 10. Brief MRCA on the following:
 - Technical data/operations that may affect radiological releases or radiation levels throughout the facility.
 - Accident sequence.
 - Radiation release paths.
 - Core uncover time.
 - Performance information regarding radioactivity mitigating systems.

Prepared by: _____

Signature

Print

Date

Section C: TSC/OSC Ventilation Alignment

NOTE

The TSC/OSC HVAC System automatically shifts to the emergency filtered recirc mode upon receipt of a Train A or Train B signal. After 30 minutes with CBI signal still present, the system shifts to the emergency filtered intake mode.

1. Check that no smoke, solvents, or other potential atmospheric contaminants have been released inside the TSC/OSC.

CAUTION

Do not activate the emergency filtered recirc. mode if smoke, solvents, or other contaminants are present.

2. IF contaminants are present, immediately notify the ADTS and Unit 3 SM and request additional assistance and guidance to prevent activation of the emergency filtered recirc mode.
3. Verify the TSC/OSC ventilation automatically aligns to emergency filter recirc mode. Refer To 3HWS-PNLVP6 panel located in the west northwest corner of the ventilation equipment room, at the head of the main TSC/OSC stairway to the outside as follows:
 - a) 3HWS-MOD29, lavatory exhaust fan damper closed
 - b) 3HWS-FN1, lavatory exhaust fan off
 - c) 3HWS-MOD33, outside air supply to ACU1 damper closed
 - d) 3HWS-MOD31, recirc air from TSC/OSC to FLT1 damper open
 - e) 3HWS-FLT1, TSC/OSC ventilation filter unit running
 - f) 3HWS-ACU1, TSC/OSC air conditioning unit off
4. Refer To blue 3HWS-PNLP7 panel in the southeast corner of the equipment room and verify 3HWS-FLT1, TSC/OSC ventilation filter unit flow is between 1800 and 2200 cfm.
5. IF the system is not correctly aligned, perform the following:
 - a) Notify the ADTS and the Unit 3 SM.
 - b) Request Unit 3 SM provide assistance.
 - c) Refer to OP 3315E, "Technical Support Center Ventilation," and align the system.

6. IF estimated that the system can not be aligned within 30 to 60 minutes, complete the following actions:
 - a) Notify the ADTS.
 - b) Evaluate the need to reduce staffing.
 - c) Consider the need to evacuate the facility.
7. WHEN 30 minutes have elapsed, verify the system has automatically aligned to the emergency filter intake mode.
8. WHEN instructed by Unit 3 SM or the ADTS, verify the HVAC system has been restored to normal mode.

Section D: Event Termination Activities

When notified by ADTS of termination, perform the following activities:

- ☐ 1. Verify the TSC HVAC system has been restored to normal mode.
- ☐ 2. Direct the Unit 3 Control Room to refer to OP3349, "Modcomp Process Computer System Operations," and perform actions to shift the process computer (SPDS) from the TSC console to the Computer Room II console.

Prepared by: _____
Signature Print Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 - 007 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr. →

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Technical Support Center Reactor Engineer (TSCRE)

This form provides guidance to the TSCRE for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into the TSC.
- ☐ 2. Sign in on TSC Staffing Board
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.

Section B: Recurring Actions

- ☐ 1. Provide reactivity management guidance to MTSC.
- ☐ 2. Perform shutdown margin calculations, as required.
- ☐ 3. Perform EPI-FAP11, "Core Damage Assessment," calculations, as required.
- ☐ 4. Perform EPI-FAP12, "Thermal Hydraulic Evaluations," as required.

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 - 008 Rev. No.: 000 Minor Rev.:

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:s

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Technical Support Center Electrical Engineer (TSCEE)

This form provides guidance to the TSCEE for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into TSC.
- ☐ 2. Sign in on TSC staffing board.
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 4. Ensure clocks are synchronized with plant process computer.
- ☐ 5. Ensure TSC station page speaker volume is audible.
- ☐ 6. Refer to EPI-FAP15-006, "OFIS Instructions" and log into OFIS.
- ☐ 7. Coordinate with the MTSC to determine critical parameters to monitor.

Section B: Recurring Activities

- ☐ 1. Notify the MTSC when critical parameters have exceeded or are trending to exceed EAL threshold values.
- ☐ 2. Provide support to the MTSC regarding evaluation of plant electrical systems.
- ☐ 3. Recommend repair strategies as required by the event to the MTSC and MOSC to support emergency repairs.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-009 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/6/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/6/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/6/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Technical Support Center Mechanical Engineer (TSCME)

This form provides guidance to the TSCME for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into TSC.
- ☐ 2. Sign in on TSC staffing board.
- ☐ 3. Turn on copy machine.
- ☐ 4. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 5. Refer to EPI-FAP15-006, "OFIS Instructions" and log into OFIS.
- ☐ 6. Coordinate with the MTSC to determine critical parameters to monitor.

Section B: Routine Activities

- ☐ 1. Notify the MTSC when critical parameters have exceeded or are trending to exceed EAL threshold values.
- ☐ 2. Provide support to the MTSC regarding evaluation of plant mechanical systems.
- ☐ 3. Recommend repair strategies as required by the event to the MTSC and MOSC to support emergency repairs.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 - 010 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:->

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Accident Management Team (AMT)

This form provides guidance to the AMT staff for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into TSC.
- ☐ 2. Sign in on TSC staffing board.
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 4. Obtain briefing on plant status from MTSC.
- ☐ 5. Refer To and implements EPI-FAP12, "Thermal Hydraulic Evaluation." Provide analysis results to the MTSC.
- ☐ 6. Develop corrective actions to mitigate plant damage.
- ☐ 7. Inform MTSC of time to core uncover results.

Section B: Routine Activities

- ☐ 1. Review accident analyses, update as necessary.
- ☐ 2. Brief the MTSC on analysis results and possible mitigation strategies.

Prepared by: _____
Signature Print Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02 -011 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr. to

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPB	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RIDH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Manager of Security (MOS)

This form provides guidance to the Manager of Security for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into the TSC/OSC and sign in on TSC Staffing Board.
- ☐ 2. Notify ADTS of arrival in TSC/OSC and obtain a status briefing.
- ☐ 3. Initiate a log of significant events and communications on EPI-FAP15-012, "SERO Log Sheet," log date and arrival time.
- ☐ 4. Verify access control of affected areas and buildings has been established, as appropriate.
- ☐ 5. Contact SSS and receive a turnover.
- ☐ 6. Conduct an operational check of security base station radio in TSC.
- ☐ 7. Provide support for precautionary dismissal/evacuation actions to the CRDSEO/ADTS.
- ☐ 8. Contact the CRDSEO and determine if Security assistance is required.
- ☐ 9. Refer To and implement SEP 5041, "Security During Emergencies."
- ☐ 10. IF applicable, Refer To SDI 612, "Security Reports," and determine whether any NRC reportable conditions exist.
- ☐ 11. Establish an open line of communication with CAS and notify of any requirements in SEP 5041, "Security During Emergencies."
- ☐ 12. Establish and maintain security posts as directed by the ADTS and consult with MRCA regarding radiological conditions that might impact security operations.
- ☐ 13. Indicate locations of "staffed" security posts on Site Map.
- ☐ 14. Dispatch security personnel with vital area keys to the OSCAA to provide security support for emergency teams, as necessary.

Section A: Initial Actions

NOTE

Suspension of safeguards measures should only be instituted when no other means of security compensatory measures are available.

- ☐ 15. IF suspension of safeguards measures becomes necessary, perform the following:
- Consult ADTS on safeguards measures suspension.
 - IF suspension of safeguards measures is approved, notify CAS and request the MOC notify the NRC.

NOTE

The ADTS may order sheltering, local area evacuation, site evacuation, or other protective actions in accordance with EPI-FAP08, "Evacuation and Assembly." Advance notice to the security force should be provided.



A L A R A



Security posts may become classified as high radiation areas.

Section B: Recurring Actions

- ☐ 1. Refer to EPI-FAP08, "Evacuation and Assembly," to perform Accountability when directed by the ADTS or upon the declaration of a Site Area or General Emergency.
- ☐ 2. Consult with MRCA for appropriate protective measures where security posts are located, if necessary.
- ☐ 3. Provide appropriate radiological protection equipment (such as, protective clothing, respirators, and radiological monitoring devices) to security personnel stationed in radiological hazard areas.
- ☐ 4. Refer To and implement SEP 5041, "Security During Emergencies," and perform the following:
- Evacuate security posts that may become uninhabitable due to the event.
 - Update "staffed" status markings on Site Map as necessary.

Section B: Recurring Actions

NOTE

Personnel accountability results may be requested by the ADTS periodically during SERO activation.

- ☐ 5. Direct CAS to maintain accountability of personnel in the Protected Area while SERO is activated.
- ☐ 6. Maintain open lines of communication with CAS for updates on accountability.
- ☐ 7. IF the duration of the event continues into the next security shift, perform the following:
 - Direct CAS to prepare a security personnel shift rotation schedule.
 - Provide security personnel shift rotation schedule to the MOR.
- ☐ 8. IF necessary, implement shift rotation schedule.
- ☐ 9. Review emergency worker shift relief and resource plans with the MOR, MRCA, and ADTS considering the following:
 - The need to initiate access control to the site, (e.g., the gate outside the EOF).
 - Relocation of workers
 - Transportation and staging of workers and materials on site
- ☐ 10. Consult with the MRCA and ADTS to determine safe areas and conditions by evaluating the threat of hazard levels and hazardous area access restrictions.

Section C: Precautionary Dismissals and Site Evacuations

NOTE

A precautionary dismissal of personnel is automatically conducted at the Alert classification level. An evacuation will be automatically initiated at a Site Area or General Emergency.

- ☐ 1. Direct Security personnel to take positions at NAP/SAP to facilitate personnel egress from the Protected Area.
- ☐ 2. Consider the following:
 - Staggering release in groups of 20 to 100 to minimize road congestion and exposure,
 - Establishing traffic control at parking lots and on the access road,
 - SERO personnel will be moving to and from the training/EOF area for about 2 hours following the Alert declaration.
- ☐ 3. Provide any special instructions for evacuees to security personnel at NAP/SAP to be conveyed to personnel leaving the NAP/SAP using bullhorns or parking lot speakers.
- ☐ 4. Direct Security personnel to monitor and report status of dismissals and evacuations (may use accountability reports).
- ☐ 5. Notify Local Police Dispatchers of a Site Evacuation.
- ☐ 6. IF personnel are not responding as expected, Request the ADTS to repeat the plant page.
- ☐ 7. Request Security personnel provide updates on the following:
 - Movement of personnel
 - Occupancy of sheltering
 - Assembly points
 - Potential or actual problems
- ☐ 8. Develop station reentry plan with the MRCA for SERO personnel requiring site access.
- ☐ 9. IF the site access gate is closed, THEN direct all traffic to the EOF parking lot for access screening.

Section D: Search and Rescue Actions

- ☐ 1. IF personnel injuries are reported and off-site emergency assistance is requested, inform the ADTS of the situation.

NOTE

Only the MOSC can deploy, direct, or redirect emergency teams once this has been taken over from the CRDSEO/MCRO.

- ☐ 2. Ensure the following:
- MOSC has sufficient security personnel for search and rescue teams.
 - Security support for entry into Vital Areas has been arranged.
- ☐ 3. IF notified of a station request for an ambulance, Refer To and implement SEP 5034, "Medical Emergencies."
- ☐ 4. Notify the ADTS of ambulance-related developments.

Section E: SERO Termination

- ☐ 1. WHEN authorized by the ADTS, restore normal station security operations.
- ☐ 2. Ensure all security personnel are notified of the following:
- SERO termination
 - Normal station security operation restoration
- ☐ 3. Record SERO termination in MOS log sheet.
- ☐ 4. Restore facility and equipment to pre-emergency condition.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP02-012 Rev. No.: 000 Minor Rev.: _____

Title: TSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓/N Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/22/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(p) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

TSC/OSC Emergency Repair/Procedure Change/Assessment Recommendations

State plant conditions warranting the following recommendations/procedure change:
(for example: RWST low, containment pressure increasing, loss of power, etc.)

1. State recommendations for ADTS approval, identifying the scope and limitations of departure from existing procedure. (Attach supporting documents):

☐ Manager of Control Room Operations action:

☐ Manager of Operational Support Center action:

2. State implementation cautions (for example: personal safety risks).

3. State time constraints for action:

4. Is there time to convene a PORC to change implementation?
(If YES, process normal change paperwork in parallel).

YES NO
☐ ☐

Prepared by:

Approved by:
(ADTS or SRO)

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP03 Rev. No.: 000 Minor Rev.: _____

Title: OSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M. Maryeski</i>	<i>9/13/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPS	
<i>50.54(4)</i> <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

S. R. Rigney *10/11/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

**Functional
Administrative
Procedure**



**Operations Support Center
Activation and Operation**

MP-26-EPI-FAP03

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00



Table of Contents

1. PURPOSE	2
1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	2
2. INSTRUCTIONS	4
3. SUMMARY OF CHANGES	5
3.1 Original issue	5
4 ATTACHMENTS AND FORMS	
Attachment 1, "Definitions And Abbreviations"	6
Attachment 2, "Responsibilities"	7
MP-26-EPI-FAP03-001, "Manager of Operations Support Center (MOSC - TCS/OSC)"	
MP-26-EPI-FAP03-002, "Assistant Radiation Protection Supervisor (ARPS)"	
MP-26-EPI-FAP03-003, "Manager of Operations Support Center (MOSC - OSC AA)"	
MP-26-EPI-FAP03-004, "CBETS Operator"	

1. PURPOSE

1.1 Objective

This procedure provides guidance to Station Emergency Response Organization (SERO) personnel who report to the TSC/OSC and the OSC Assembly Area during an event.

1.2 Applicability

Activation of the TSC/OSC and OSC Assembly Area is initiated upon declaration of an ALERT, Posture Code Charlie-One, or higher event.

1.3 Supporting Documents

EPI-FAP02, "Technical Support Center Activation and Operation"

EPI-FAP09, "Radiation Exposure Controls"

EPI-FAP15, "Common Forms"

C OP 204, "Response to Medical Emergencies"

WC 4, "Confined Space Entry"

Unit 3 FSAR, Chapter 12, Section 12.3, Figure 12.3-10 (sheets 3 & 4)

1.4 Discussion

1.4.1 Upon declaration of an Alert (Charlie One) or higher, the goal for OSC activation (minimum staffing) is within 60 minutes of event notification.

1.4.2 OSC Assembly Area

- a. OSC Assembly Area (Building 475, Cafeteria) is used to assemble SERO personnel until they are needed to perform assessment, repair, or search and rescue operations.
- b. OSC Assembly Area is contacted via the direct ring down phone line from the TSC/OSC for status updates and to direct personnel be assembled for team formation.
- c. In the event of degrading radiological conditions, personnel assigned to the OSC Assembly Area may be evacuated to an alternate habitable area.

1.4.3 Emergency Team Deployment

- a. Emergency team deployment goal is 15 minutes from request. Emergency team deployment and entry into Radiological Controlled Areas must be authorized by the ADTS.

- b. The MOSC should initiate team preparation and briefing prior to receiving ADTS deployment approval.
 - c. The ADTS may issue blanket deployment authorization while plant conditions are *not* constrained. However, team deployment and entry into Radiologically Controlled Areas must be authorized by the ADTS.
 - d. EPI-FAP15-010, "Emergency Team Briefing Sheet," replaces station AWOs and augments RWPs. Normal Station safety tagging processes remain in effect if possible.
 - e. Emergency teams may be deployed prior to TSC/OSC activation by the CR DSEO. The CR-DSEO will provide a status of deployed teams from the CR to the ADTS during turnover.
 - f. The ADTS should notify the MCRO of emergency teams deployed from the OSC AA.
- 1.4.4 Refer to Attachment 1 for Definitions/Abbreviations and Attachment 2 for applicable responsibilities.

2. **INSTRUCTIONS**

2.1 Refer To and complete the following, as applicable:

NOTE

Steps in the position specific checklists may be performed in any order, or more than once, as necessary.

- EPI-FAP03-001, "Manager of Operations Support Center (MOSC - TCS/OSC)"
- EPI-FAP03-002, "Assistant Radiation Protection Supervisor (ARPS)"
- EPI-FAP03-003, "Manager of Operations Support Center (MOSC - OSC AA)"
- EPI-FAP03-004, "CBETS Operator"

2.2 If an action is not appropriate under existing conditions or was not necessary for the event, enter N/A when completing documentation for submittal.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 1)

Definitions

Constraints - Conditions that prevent or interfere with the performance of actions

Deploy - Send teams or materials to appropriate locations

Minimum staff - Positions required in the facility staffing before activation may occur.

PASS Team - SERO personnel consisting of 2 Chemistry Technicians and 1 HP Technician designated for sampling and analysis of materials obtained through the Post Accident Sampling System.

Site Fire Protection Leader - Fire Brigade Captain

Abbreviations

ADTS - Assistant Director Technical Support

ARPS - Assistant Radiological Protection Supervisor

MCRO - Manager of Control Room Operations

MOSC - Manager of Operational Support Center

OSC - Operational Support Center

PASS - Post Accident Sampling System.

PPAD - Personnel Protective Action Decisions

Attachment 2

Responsibilities

(Sheet 1 of 1)

1. Manager of Operational Support Center (MOSC)

The MOSC reports directly to the ADTS. The unaffected Unit MOSC will assume the lead role until the affected Unit MOSC arrives. For Unit 1 events, the Unit 2 MOSC will assume the lead role. The MOSC is responsible for the following:

- Activation, command, and control of OSC
- Initiating assembly of emergency teams
- Evaluating plant equipment and conditions
- Coordinating activities in accordance with the priorities assigned by the ADTS
- Coordinating in-plant team activities/locations
- Ensuring assigned staff are accounted for at all times during the event.

2. Assistant Radiation Protection Supervisor (ARPS)

The ARPS reports to the MRCA and coordinates with the MRCA on establishing radiological controls. The ARPS is responsible for:

- Providing radiological controls within the TSC/OSC and OSC Assembly Area,
- Conducting radiological briefings for emergency teams.
- Providing radiological support for dispatched emergency teams.
- Interfacing with RMT-1 on status of radiological conditions and teams dispatched from the Control Room.

3. Operational Support Center (OSC) Assistants

The OSC Assistants report directly to the MOSC. They are responsible for ensuring emergency teams are adequately briefed, maintain communications upon being dispatched, and updating status boards.

4. CBETS Operator

The CBETS Operator reports to the MRCA. The position is responsible for tracking exposures of SERO personnel, dosimetry issuance, and assisting in the administrative activities for exposure upgrades and KI distribution.

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP03 -001 Rev. No.: 000 Minor Rev.:

Title: OSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	10/5/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M. Maryeski</i>	9/23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPS	
50.54(g) <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	10/5/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	10/5/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	10/5/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

T. Rigney 10/6/00
Department Head/Responsible Individual / Date

Meeting No.: 0030

T. Rigney
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Manager of Operations Support Center (MOSC) - TSC/OSC

This form provides guidance to the MOSC for emergency response actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into the TSC/OSC.
- ☐ 2. Sign in on TSC/OSC Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Consult with ADTS or CR DSEO and receive a briefing on conditions, priorities and any teams dispatched by the control room or CMS prior to OSC activation.
- ☐ 5. Brief OSC staff on current plant and radiological conditions.
- ☐ 6. Refer To EPI-FAP15-010, "Emergency Team Briefing Sheet," and assemble, brief and dispatch emergency teams.
- ☐ 7. Designate OSC Assistant(s) to remain in OSC and dispatch remaining OSC Assistants to the OSC Assembly Area to coordinate resources and brief teams.
- ☐ 8. Obtain names and position titles of SERO personnel in OSC Assembly Area.
- ☐ 9. Verify OSC staff perform the following:
 - Key into TSC/OSC or OSC Assembly Area card reader.
 - Frisk upon entry to OSC, as applicable.
 - Enter name on minimum staffing board.
 - Maintain status boards and logs.
 - Establish and maintain communications with the OSC AA.
 - Maintain awareness of event classification and constraints.
- ☐ 10. Notify the ADTS when OSC activation staffing requirements are met.
- ☐ 11. Brief the following staff on current plant conditions and classification:
 - OSC Assembly Area personnel
 - Deployed emergency teams

Section A: Initial Actions

- ☐ 12. Contact the OSC AA and request Site Fire Protection personnel report to the TSC/OSC and establish CO₂ monitoring.
- ☐ 13. IF a site evacuation is initiated, perform the following:
 - Provide Security the names, EIDs, and locations of emergency team personnel in the field.
 - Notify OSC AA of the evacuation directive.
- ☐ 14. Consult with the ADTS or CR DSEO, as necessary, to determine the following:
 - Description and priority of assignments.
 - Authorization for deployment of emergency team.
- ☐ 15. Notify the ADTS of the time and location of emergency teams dispatched.

NOTE

PASS laboratory setup takes about one hour. PASS results are due within three hours of request.

- ☐ 16. Contact the control room to determine if Chemistry Technicians were dispatched to conduct PASS laboratory setup.
 - IF PASS laboratory setup has not been initiated, dispatch Chemistry Technicians from OSC Assembly Area to initiate setup.
 - IF Chemistry Technicians are not available in OSC Assembly Area, contact the control room and determine availability of on-shift Chemistry Technicians.
 - IF on-shift Chemistry Technicians are not available, contact the MOR and request additional Chemistry Technicians be sent to the OSC Assembly Area.
- ☐ 17. WHEN informed of a fire, hazardous material spill, or medical emergency inside the Protected Area, perform the following:
 - Verify the control rooms and Site Fire Protection have been notified of the emergency, including the nature and location of emergency.
 - Determine the need to dispatch an OSC Assistant or Health Physics Technician to the scene to interface with the Site Fire Protection Leader.
 - Notify the ADTS.

Section B: Recurring Actions

NOTE

On-shift PEOs remain under the direction of the MCRO, unless released to the OSC.

- ☐ 1. Track the response of additional On-Call and Subject-to-Call SERO personnel and notify the ADTS when all positions are filled.
- ☐ 2. WHEN emergency team is requested, Perform the following:
 - Consult with the ADTS to determine the description and priority of the assignment, as necessary.
 - Notify the OSC AA to assemble a team, complete a EPI-FAP15-010, "Emergency Team Briefing Sheet," and initiate team briefing.
 - Obtain ADTS authorization and direct the OSC AA to dispatch the team.
 - Notify the ADTS of the emergency team dispatch time and destination once deployed.
- ☐ 3. Contact the OSC AA and verify the OSC Assistant has established communications with emergency team leader at 15 to 30 minute intervals (or as required by the situation) and is updating the team on plant and radiological conditions.
- ☐ 4. Update location and status of emergency teams on status board.
- ☐ 5. Direct OSC Assistant to perform the following when emergency teams return:
 - Complete the debriefing section of EPI-FAP15-010, "Emergency Team Briefing Sheet," and retain all forms when completed.
 - Contact the MOSC and brief on results (fax debrief form if appropriate).
 - Update log and status board.
- ☐ 6. Notify the ADTS of results of each emergency team assignment.
- ☐ 7. Consult ADTS periodically to review current conditions, priorities, and emergency team status.
- ☐ 8. Provide periodic updates to OSC and OSC AA staff on current plant and radiological conditions and review roles and responsibilities.
- ☐ 9. Develop relief shift plan with MOR and OSC Assistants.

Section B: Recurring Actions

- ☐ 10. Arrange for delivery of the following OSC materials, as required, with MOR to sustain the following on-site operations:
- Repair equipment and supplies
 - Radiological and decontamination supplies
 - Protective clothing
 - SCBA refills
 - Fire-fighting equipment
- ☐ 11. If the OSC AA is determined to be uninhabitable, consult with the MRCA and ADTS to determine an alternate location.

Section C: Termination

- ☐ 1. WHEN event termination is initiated by the DSEO, perform the following:
- Recall and debrief teams (ensure work is completed, systems/components are in a safe configuration and documented prior to securing activities).
 - Record event termination on the SERO Log Sheet.
 - Review log sheets and forms and ensure all appropriate entries have been made.
 - Collect procedure sections and team briefing sheets.
 - Place MOSC Notebook and materials on MOSC desk.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP03 - 002 Rev. No.: 000 Minor Rev.: _____

Title: OSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M. Maryeski</i>	<i>9/23/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>SPS</i>	
<i>30.34(4)</i> <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
RCD <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
Independent <input checked="" type="checkbox"/>	T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

J. Rigney *10/6/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

10/11/00
Approval Date

12/21/00
Effective Date

Assistant Radiation Protection Supervisor (ARPS)

This form provides guidance to the ARPS emergency response actions during a declared emergency that activates the SERO.

Section A: ARPS Initial Actions

- ☐ 1. Key into the OSC Assembly Area.
- ☐ 2. Obtain current plant and radiological status briefing from the MRCA.
- ☐ 3. Establish and maintain a log of activities, enter date and arrival time on the Log Sheet.
- ☐ 4. Assess habitability of the OSC AA.
- ☐ 5. Contact the following facilities and verify AMS-3 or radiological monitor is operational:
 - TSC/OSC
 - EOF
 - CAS
 - SAS
- ☐ 6. Assess radiation protection support for emergency teams deployed from the control room.
- ☐ 7. Direct the CBETS Operator identify available exposures for RMTs and emergency team personnel.

Section B: Recurring Actions

- ☐ 1. Monitor habitability of the TSC/OSC and OSC Assembly Area.
- ☐ 2. Periodically contact RMT-1 and request a status of radiological conditions and teams out of the Control Room.

Section B: Recurring Actions

NOTE

- If briefing a PASS team, inform teams that dose rates around the sample module may significantly increase once flow is initiated to trap a sample.
- For Unit 3 PASS team, predesignated travel routes are included in the Unit 3 FSAR, Chapter 12, Section 12.3, Figure 12.3-10 (sheets 3 & 4).

- ☐ 3. Refer To EPI-FAP15-010, "Emergency Team Briefing Sheet," and provide the following to emergency teams awaiting dispatch:
 - Radiological briefing
 - Equipment
 - HP Support
- ☐ 4. Notify the MRCA if an exposure upgrade is needed for any team or team member.
- ☐ 5. Work with the CBETS Operator and track SERO exposure
- ☐ 6. Monitor exposure and radiological conditions identified by emergency teams deployed from the OSC AA.
- ☐ 7. Coordinate the implementation of Personnel Protective Action Decisions with the MRCA and MOSC.
- ☐ 8. Identify the need for additional resources to the MRCA.
- ☐ 9. Notify the MRCA of on-site radiological conditions and accumulated dose as reported by the deployed teams.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP03-003 Rev. No.: 000 Minor Rev.: _____

Title: OSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	<input checked="" type="checkbox"/>
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	<i>9/23/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>SPS</i>	
50.54(4)	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
RCD	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
Independent	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	<input checked="" type="checkbox"/>

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

David *10/6/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

10/11/00
Approval Date

12/21/00
Effective Date

Manager Operations Support Center - OSC AA

This form provides guidance to the MOSC/OSC Assistants to coordinate OSC Assembly Area actions during a declared emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Key into OSC Assembly Area.
- ☐ 2. Direct SERO staff to key in to the OSC Assembly Area.
- ☐ 3. Contact the OSC and provide names and position titles of SERO personnel in the OSC AA.
- ☐ 4. Ensure the following activities have been assigned to the OSC AA staff.
 - Establish and maintain communications with the OSC.
 - Update status boards.
 - Maintain a roster of names and titles of personnel on the OSC AA.
 - Briefing and debriefing of emergency teams.

NOTE

Integrated briefings should be conducted prior to team deployment. Briefings should include operational, radiological, security, and any their specific information that relates to the assigned task(s).

EPI-FAP15-010, "Emergency Team Briefing Sheet," replaces station AWOs and augments RWPs. Normal Station safety tagging processes remain in effect if possible.

- ☐ 5. Before a PASS Team is dispatched, the following must occur:
 - A minimum of 2 Chemistry Technicians and 1 HP Technician have been designated and assembled as PASS team members by the MOSC.
 - The MRCA has briefed the ARPS on radiation exposure controls.
 - The PASS Team has been briefed by the MOSC and ARPS, as required, for sampling and analysis.
 - The ADTS has made the decision to obtain a PASS sample.

Section A: Initial Actions

- ☐ 7. Instruct other assembled personnel to maintain accountability as follows:
- Key in to the OSC AA key card reader.
 - Assemble by normal job function within the OSC AA.
 - Limit noise to a minimum.

Section B: Recurring Actions

- ☐ 1. Assemble, brief, and deploy teams, as follows:
- Assign Team designator by use sequential alphabetic letter (i.e. A, B, C,...)
 - Complete EPI-FAP15-001, "Emergency Team Briefing Sheet."
 - Conduct team briefing with the ARPS covering radiological information.
 - Provide the team a copy of the completed EPI-FAP15-001 form.
 - Contact the OSC and verify the ADTS has authorized the team dispatch.
 - Establish communications with the team at designated intervals.
 - Notify OSC of time of team dispatch
 - Fax a completed copy of the EPI-FAP15-001 form to the OSC.
 - Debrief the team upon return and update the OSC on the results.
 - Fax the completed debrief form to te OSC as appropriate.
- ☐ 2. Ensure communications are maintained with the OSC and periodically review the following with assembled personnel:
- Event classification.
 - General plant conditions and events in progress.
 - Shift relief schedules and assignments.
 - OSC Assembly Area habitability issues.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP03-004 Rev. No.: 000 Minor Rev.: _____

Title: OSC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	<input checked="" type="checkbox"/>
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	<i>9/23/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>SPG</i>	
<i>SO.54(g)</i>	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
RCD	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	
Independent	<input checked="" type="checkbox"/> T. Rigney	<i>T. Rigney</i>	<i>10/5/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>EPSD</i>	<input checked="" type="checkbox"/>

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

J. Rigney *10/6/00*
Department Head/Responsible Individual / Date

Meeting No.: *0030*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

10/11/00
Approval Date

12/21/00
Effective Date

CBETS Operator

This form provides guidance to the Computer Based Exposure Tracking system (CBETS) Operator for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on OSC AA Staffing Board.
- ☐ 2. Notify MRCA of arrival and obtain event conditions and status update.
- ☐ 3. Access CBETS system and obtain current exposure records, as requested.
- ☐ 4. Refer To EPI-FAP09, "Radiation Exposure Controls," and log any current exposures for identified SERO personnel.
- ☐ 5. Notify MRCA of personnel who are restricted or limited to low exposures.

Section B: Recurring Actions

- ☐ 1. Refer To EPI-FAP09, "Radiation Exposure Controls," and issue emergency dosimetry, as necessary.
- ☐ 2. Ensure personnel assigned emergency activities (repairs, search and rescue, etc.) have the correct documentation for the exposure they are expected to receive during the activity.
- ☐ 3. Refer To EPI-FAP09, "Radiation Exposure Controls," and assist with emergency exposure control.
- ☐ 4. Update MRCA of radiation exposure assignments and potential issues.
- ☐ 5. Update and maintain the Exposure Status Board.
- ☐ 6. When requested by the MRCA or MRDA, perform the following:
 - Review radiation exposure reports or logs to determine available personnel radiation exposures
 - Refer To EPI-FAP09-005, "Emergency Worker Access and Exposure Control Log," and review personnel who have had an emergency exposure limit authorized
 - Complete EPI-FAP09-003, KI Issue Authorization and Tracking Sheet and assist in the issuance of KI to the SERO

Section B: Recurring Actions

- ☐ 7. Review CBETS and record exposures for the names of the personnel provided by the MRCA or MRDA.

NOTE

Manual entry is acceptable if it helps promote prompt deployment of teams, provided reports are eventually updated (10 CFR 20.1001).

If CBETS is not available, exposures must be listed manually.

If worker is not on dosimetry list, the MRCA must authorize access.

- ☐ 8. Include exposure received while performing emergency work in each worker's routine exposure record and history.
- ☐ 9. Issue the following dosimetry to emergency response personnel.
- Thermoluminescent Dosimeter
 - Low Range Pocket Ion Chamber (PIC)
 - High Range PIC
 - Extremity Dosimetry
 - Electronic Dosimetry
- ☐ 10. Maintain dosimetry issue and radiation exposure control records.
- ☐ 11. WHEN received, enter each worker's dose results and other information on file.
- ☐ 12. Collect and maintain all approved EPI-FAP08-003 documents.

Section C: Termination

- ☐ 1. Subtract 10 CFR 50.47.b(11) emergency exposures from occupation exposure records and apply to individual's Planned Special Exposure record per 10 CFR 20.
- ☐ 2. WHEN final results are available, report total and available exposures to workers.
- ☐ 3. Secure computerized dosimetry system by closing window to PREM program after exiting PREM through the menu process..
- ☐ 4. Send all completed records to MRCA for review and processing by Health Physics.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr. =>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
Validation <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD, 54(g) <input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation <input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, 54(g) <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date:

12/21/00

**Functional
Administrative
Procedure**



**Emergency Operations Facility
Activation and Operation**

MP-26-EPI-FAP04

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

TABLE OF CONTENTS

1. PURPOSE	3
1.1 Objective	3
1.2 Applicability	3
1.3 Supporting Documents	3
1.4 Discussion	3
2. INSTRUCTIONS	8
3. SUMMARY OF CHANGES	10
3.1 Original issue	10
4. ATTACHMENTS AND FORMS	
Attachment 1 Definitions and Abbreviations	11
Attachment 2 Responsibilities	14
MP-26-EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)"	
MP-26-EPI-FAP04-002, "Assistant Director Emergency Operations Facility (ADEOF)"	
MP-26-EPI-FAP04-003, "Manager Radiological Dose Assessment (MRDA)"	
MP-26-EPI-FAP04-004, "Assistant Manager Radiological Dose Assessment (AMRDA)"	
MP-26-EPI-FAP04-005, "Radiological Assessment Engineer (RAE)"	
MP-26-EPI-FAP04-006, "Field Team Data Coordinator (FTDC)"	
MP-26-EPI-FAP04-007, "Radiation Monitoring Team #3, #4, #5"	
MP-26-EPI-FAP04-008, "Radiological Communicator - EOF"	
MP-26-EPI-FAP04-009, "EOF HP Technician	
MP-26-EPI-FAP04-010, "Meteorological Assistant"	
MP-26-EPI-FAP04-011, "Manager of Resources (MOR) or External Resources Coordinator (ERC)"	
MP-26-EPI-FAP04-012, "Manager of Public Information (MPI)"	
MP-26-EPI-FAP04-013, "Manager of Communications (MOC)"	
MP-26-EPI-FAP04-014, "Technical Information Communicator (TIC)"	
MP-26-EPI-FAP04-015, "EOF Shift Technician (EOF-ST)"	
MP-26-EPI-FAP04-016, "Station Emergency Preparedness Representative (SEPR)"	
MP-26-EPI-FAP04-017, "Regulatory Liaison"	

1. PURPOSE

1.1 Objective

This procedure provides guidance to Station Emergency Response Organization (SERO) personnel who report to the Emergency Operations Facility (EOF) during an event.

1.2 Applicability

Activation of the EOF is initiated upon declaration of an ALERT, Posture Code Charlie-One, or higher event.

1.3 Supporting Documents

EPI-FAP01, "Control Room Emergency Operations"

EPI-FAP06, "Classification and PARs"

EPI-FAP07, "Notifications and Communications"

EPI-FAP08, "Evacuation and Assembly"

EPI-FAP09, "Radiation Exposure Controls"

EPI-FAP10, "Dose Assessment"

EPI-FAP11, "Core Damage Assessment"

EPI-FAP13, "News Releases"

EPI-FAP15, "Common Forms"

EPUG-08B, "Millstone Emergency Plan Resource Book"

Meteorological Reference Manual for Support of Nuclear Plant Emergencies.

1.4 Discussion

1.4.1 Facility Activation

Facility activation should occur within 60 minutes of the time the SERO was notified. The EOF can be declared activated when the DSEO has relieved the Shift Manager of command and control responsibilities AND minimum staffing requirements are met.

The DSEO has the discretion to relieve the CR-DSEO and authorize ERF activation with less than minimum staffing provided necessary functional areas are filled.

1.4.2 The major activities associated with the EOF are as follows:

- Event Classification and PARs- EPI-FAP06
- Event Notification and Communications - EPI-FAP07
- Radiological Dose Assessment/Sampling
- Exposure Control - EPI-FAP09
- Resources
- Rumor Control and News Releases - EPI-FAP13
- Coordination of Outside Agencies
- Recovery - EPI-FAP14

1.4.3 10 CFR 50.54(x) Invocation

- a. As discussed in the Statements of Consideration to 10 CFR Part 50, emergencies can arise during which compliance with a license condition or a Technical Specification could prevent necessary action by the licensee to protect the public health and safety. Absolute compliance with the license during these emergencies can be a barrier to effective protective action.
- b. Unanticipated circumstances can occur during the course of an emergency which may call for responses different from any previously considered during the course of licensing. Special circumstances requiring a deviation from license requirements are not necessarily limited to transients or accidents not analyzed in the licensing process. Special circumstances can arise during emergencies involving multiple equipment failures or coincident accidents where plant emergency procedures could be in conflict with or not applicable to the circumstances. In addition, an accident can take a course different from that which was addressed when the emergency procedure was written, thus requiring a protective response at variance with a procedure required to be followed by the licensee which may ultimately be contrary to current Technical Specifications or the license condition.
- c. 10 CFR 50.54(x) will permit the licensee to take reasonable action in an emergency even though the action departs from licensing conditions or plant Technical Specifications. This action may only be taken however, if the following criteria are met:
 - The action is immediately needed to protect the public health and safety, including plant personnel.
 - No action consistent with the license conditions and Technical Specifications is immediately apparent that can provide adequate or equivalent protection.
 - As a minimum, a licensed senior operator approves the action.

d. Applicability Determination

The NRC can amend Technical Specifications or license conditions. The §50.54(x) regulation is not intended to apply in circumstances where time allows this normal process to be followed. The regulation applies only to those emergency situations in which immediate action is required by the licensee to protect public health and safety and this action is contrary to a Technical Specification or license condition.

Operating outside the boundaries of approved procedures or in the absence of procedures does not in and of itself meet the threshold for invocation of §50.54(x). Also, the existence of a safety analysis (§50.59) conducted for the purpose of determining whether an unreviewed safety question exists is not sufficient to determine whether application of §50.54(x) is appropriate. §50.54(x) is not intended for use as a general regulatory protective shield for all actions not addressed by current procedures. Even after §50.54(x) has been invoked, each subsequent action taken must be evaluated for §50.54(x) applicability with all necessary approvals and notifications being made for each invocation, as appropriate.

Additionally, the §50.54(x) and (y) amendments were not written for the purpose of establishing procedures and guidance (such as SAMG) that may be useful at some future date (e.g., preplanning and contingency actions). The determination to discontinue following plant operating procedures and/or EOPS, and to begin following SAMG, by itself, does not constitute a departure from a license condition or Technical Specification and, therefore, does not require invocation of §50.54(x). Note however, it is possible that the first action directed during SAMG implementation may actually require §50.54(x) invocation.

The threshold for invocation is met only if the action being taken is not consistent with current license conditions and Technical Specifications. Additionally, the action must meet the time and safety dependent criteria previously discussed. Then and only then should the invocation of §50.54(x) be considered for approval.

e. Approval

A licensed senior operator position is the minimum level within the organization, not the only position, authorized to approve invocation of §50.54(x). 10 CFR 50.54(y) states, "Licensee action permitted by paragraph (x) of this section shall be approved, as a minimum, by a licensed senior operator..." This wording makes it clear that such action must be approved by at least a licensed senior operator acting for the licensee. The regulation focuses on the responsibilities of facility licensees and only peripherally includes licensed senior operators. Under the provision any licensed senior operator (licensed for the Unit involved) would be sufficient. However, during declared emergencies more senior licensee personnel would eventually become available. The decision to depart from the license would then pass to these more senior personnel already identified in the Emergency Plan.

Ultimate responsibility for the health and safety of the general public and station personnel in an emergency resides in the highest authority in the chain of command. The persons responsible for the health and safety of the general public and station personnel are already identified in the facility license and implementing procedures. These persons include the ADTS and the DSEO following emergency response facility activation. If however, an emergency should occur on a backshift, no licensee representative higher than a licensed senior operator in the chain of command is likely to be available. Therefore, the departure from a license condition or Technical Specification requires the approval of a licensed senior operator as a minimum.

To require any additional approvals or concurrence, such as from senior licensee representatives or the NRC, would defeat the purpose of §50.54(x). Concurrence or approval from the NRC is also not necessary, as this action would amount to a license amendment using procedures contrary to those existing for amendments. NRC concurrence would additionally shift the burden of responsibility for station safety from the licensee to the NRC.

f. Reportability

Deviations authorized pursuant to 10 CFR 50.54(x) are reportable as soon as practical and in all cases within one hour under 10 CFR 50.72(b)(1)(i)(B), or 10 CFR 50.73(a)(2)(i)(C), if not reported simultaneously with emergency notification under 10 CFR 50.72(a). When time permits, the notification is made before the protective action is taken; otherwise, it is made as soon as possible thereafter. Additionally, a Licensee Event Report will be generated and submitted to the NRC within 30 days.

g. Subsequent Actions

Following invocation of 50.54(x) and notification of the NRC, actions are taken as soon as practical to restore the plant to full compliance with Technical Specifications and all conditions of license.

1.4.4 Off-Site Radiological Communications

The radio control console located in the Radiological Dose Assessment Area will be used to support MRDA communications. The FTDC and the off-site RMTs will use this radio net to communicate radiation findings. The RMT vehicles maintained at the EOF are equipped with permanently mounted radios. The radio console at the EOF is monitored by the FTDC. Spare portable radios are stored at the EOF to issue to additional field teams or replace vehicle radios that malfunction.

Off-site teams may be assigned to monitor and report dose assessment findings which occur over water (Long Island Sound). RMT radios which operate on the off-site radiological communications frequency are installed in the Millstone Environmental boat.

1.4.5 Off-Site Radiological Monitoring

Off-site RMTs obtain samples for airborne radioactive contaminants and radiation dose rates for specific points and areas outside the Millstone Station protected area. Off-site RMTs are controlled by the MRDA, who transfers all or portions of this responsibility to the AMRDA or FTDC upon their arrival in the EOF. The goal of the FTDC or designee is to ensure the RMTs are deployed within 60 minutes of event notification.

The RMTs provide the off-site survey information necessary for the plume phase. Environmental Services field teams perform environmental sampling during the intermediate and relocation/ingestion pathway phases. The thermoluminescent dosimeters (TLD) and air filters can also provide information to help determine the past integrated dose.

1.4.6 Definitions and abbreviation are contained in Attachment 1. Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Refer To and complete the following, as applicable:

NOTE

The steps in the checklists may be performed in any order, or more than once, as necessary.

- EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)"
- EPI-FAP04-002, "Assistant Director Emergency Operations Facility (ADEOF)"
- EPI-FAP04-003, "Manager Radiological Dose Assessment (MRDA)"
- EPI-FAP04-004, "Assistant Manager Radiological Dose Assessment (AMRDA)"
- EPI-FAP04-005, "Radiological Assessment Engineer (RAE)"
- EPI-FAP04-006, "Field Team Data Coordinator (FTDC)"
- EPI-FAP04-007, "Radiation Monitoring Team #3, #4, #5"
- EPI-FAP04-008, "Radiological Communicator - EOF"
- EPI-FAP04-009, "EOF HP Technician
- EPI-FAP04-010, "Meteorological Assistant"
- EPI-FAP04-011, "Manager of Resources (MOR) or External Resources Coordinator (ERC)"
- EPI-FAP04-012, "Manager of Public Information (MPI)"
- EPI-FAP04-013, "Manager of Communications (MOC)"
- EPI-FAP04-014, "Technical Information Communicator (TIC)"
- EPI-FAP04-015, "EOF Shift Technician (EOF-ST)"
- EPI-FAP04-016, "Station Emergency Preparedness Representative (SEPR)"
- EPI-FAP04-017, "Regulatory Liaison"
- EPI-FAP04-01, "Director of Station Emergency Operations (DSEO)"
- EPI-FAP04-02, "Assistant Director Emergency Operations Facility (ADEOF)"

- EPI-FAP04-03, "Manager of Radiological Dose Assessment (MRDA)"
- EPI-FAP04-04, "Assistant Manager of Radiological Dose Assessment (AMRDA)"
- EPI-FAP04-05, "Radiological Assessment Engineer (RAE)"
- EPI-FAP04-06, "Field Team Data Coordinator FTDC)"
- EPI-FAP04-07, "Radiation Monitoring Team #3, #4, #5"
- EPI-FAP04-08, "Radiological Communicator - EOF"
- EPI-FAP04-09, "EOF HP Technician
- EPI-FAP04-10, "Meteorological Assistant"
- EPI-FAP04-11, "Manager of Resources/External Resources Coordinator (MOR/ERC)"
- EPI-FAP04-12, "Manager of Public Information (MPI)"
- EPI-FAP04-13, "Manager of Communications (MOC)"
- EPI-FAP04-14, "Technical Information Communicator (TIC)"
- EPI-FAP04-15, "EOF Shift Technician"
- EPI-FAP04-16, "Station Emergency Preparedness Representative (SEPR)"
- EPI-FAP04-17, "Regulatory Liaison"

2.2 IF an action is not appropriate under existing conditions or was not necessary for the event, enter N/A when completing documentation for submittal.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 3)

Definitions

Alpha or Bravo Posture Code - A State response code that has expected or existing plant conditions relative to a radiological release as its basis. A technical basis for developing a PAR as a result of an EAL classification for all events short of the loss of all three fission product barriers, or high containment radiation.

Calculated Dose Rate (units of mRem/hr or Rem/hr) - A dose rate calculated for actual releases based on measured exposure rates from effluent monitor or survey readings (units of mR/hr or R/hr).

CDE - Committed Dose Equivalent for the thyroid (usually in units of Rem).

Measured Exposure Rate - Exposure rate based on field survey results (units of mR/hr or R/hr).

Operations Net - A communications network established for the TSC-SM, CRDC, TA, and TIC to apprise all Emergency Response Facilities of plant status and fast-breaking events; provide operational and technical input; and assist with classification.

Plant Conditions - A technical basis for developing a PAR as a result of actual or imminent loss of all three fission product barriers, or based on high containment radiation levels.

Precautionary Dismissal - A precautionary release of non-SERO individuals from the site conducted at the ALERT classification.

Protective Action Recommendation (PAR) - A recommended course of action to take that affects the general population. Issued to state and local decision makers for their consideration in making a protective action decision.

Projected Dose - A calculated exposure received over the duration of the accident. A technical basis for developing a PAR as a result of an ongoing radiological release that is projected on either a measured exposure rate, or a calculated exposure rate for an expected release (units of Rem).

TEDE - Total Effective Dose Equivalent (usually in units of Rem).

"What If" Dose - A theoretical dose projection based on the premise that the accident sequence in progress will result in the partial or total release of an assumed quantity of core inventory (usually in units of Rem).

Wind Direction - The three digit number indicating the degree bearing (000 and 360 being north, 180 being south) from which the wind is coming at the release elevation (Changes in wind direction may constitute the technical basis for updating a PAR).

Attachment 1

Definitions and Abbreviations

(Sheet 2 of 3)

Abbreviations

ADEOF - Assistant Director Emergency Operations Facility

ADTS - Assistant Director Technical Support

AMRDA - Assistant Manager Radiological Dose Assessment

AMT - Accident Management Team

AMTL - Accident Management Team Leader

CAS - Central Alarm Station

CBETS - Computer Based Exposure Tracking System

CTMT - Containment

DEP - Department of Environmental Protection

DSEO - Director of Station Emergency Operations

EAL - Emergency Action Level

EAS - Emergency Alerting System

EDAN - Environmental Data Acquisition Network

EPZ - Emergency Planning Zone

ERC - External Resource Coordinator

ERDS - Emergency Response Data System

FTDC - Field Team Data Coordinator

JMC - Joint Media Center

KI - Potassium Iodide

MCRO - Manager of Control Room Operations

MOC - Manager of Communications

MOR - Manager of Resources

Attachment 1

Definitions and Abbreviations

(Sheet 3 of 3)

MPI - Manager of Public Information

MRDA - Manager of Radiological Dose Assessment

MTSC - Manager of Technical Support Center

NNM - Nuclear News Manager

OFIS - Off-Site Facility Information System

PAG - Protective Action Guideline

PAR - Protective Action Recommendation

PASS - Post Accident Sampling System

RAE - Radiological Assessment Engineer

RCS - Reactor Coolant System

RICC - Rumor and Inquiry Control Center

RMT - Radiological Monitoring Team

RDAT - Radiological Dose Assessment Team

SDO - Station Duty Officer

ST - Shift Technician

TEDE - Total Effective Dose Equivalent

TIC - Technical Information Coordinator

Attachment 2 Responsibilities

(Sheet 1 of 4)

1. Director of Station Emergency Operations (DSEO)

After formally relieving the CR DSEO, the DSEO is responsible for the following non-delegable emergency response functions:

- Overall command and control of the station's emergency response.
- Event classification.
- General public Protective Action Recommendations to offsite officials.
- Formal off-site notification approval.
- Emergency exposure extension authorization.
- News release approval.
- Federal assistance to support station response.

2. Assistant Director Emergency Operations Facility (ADEOF)

The ADEOF reports to the DSEO. The ADEOF is responsible for the following:

- Providing input for classification changes based on radiological conditions.
- Developing, recommending, and updating off-site PARs to the DSEO.
- Providing input for notification upgrades, updates, and termination, as necessary.
- Approving emergency exposure upgrades in excess of 10 CFR 20 limits.
- Authorizing potassium iodide (KI) for off-site personnel SERO personnel (e.g., Radiation Monitoring Teams).
- Overseeing off-site radiological assessment of the event.
- Coordinating communications of plant status to the NRC, State, and public.
- Authorizing contaminated personnel to leave the station.
- Reviewing news releases.
- Assuming DSEO responsibilities if DSEO becomes incapacitated.

Attachment 2 Responsibilities

(Sheet 2 of 4)

3. Manager of Radiological Dose Assessment (MRDA)

The MRDA reports to the ADEOF. The MRDA is responsible for the off-site dose assessment activities. This includes the following activities:

- Monitoring radiological conditions beyond the protected area and ensuring recommended protective actions provided to State officials are adequate to protect public health and safety in accordance with US EPA guidance.
- Providing key information to the ADEOF and DSEO that may influence classification as well as protective action decision making.
- Assessing radiological plant conditions and alert the ADEOF and DSEO when information indicates there has been a significant change.
- Assessing the source term, determining the radiological release pathway, and obtaining meteorological data applicable to an actual or potential radiological release.
- Directing field measurements be obtained.
- Directing dose assessment be performed.
- Directing core damage estimates be performed.
- Communicating with State dose assessment staff.
- Communicating with NRC dose assessment staff using the HPN circuit.
- Coordinating field team activities with the State DEP.

4. Assistant Manager, Radiological Dose Assessment (AMRDA)

Two AMRDAs report to the MRDA. They assist the MRDA as directed with dose assessment, RDAT strategies, HPN communications, etc.

5. Radiological Assessment Engineer (RAE)

The RAE reports to the MRDA in the EOF. Duties include evaluating actual and potential releases of radioactive material, and performing dose assessment calculations.

6. Field Team Data Coordinator (FTDC)

The FTDC reports to the MRDA in the EOF. Duties include coordinating the activities of the off-site RMTs, and distributing off-site RMT data.

7. Radiation Monitoring Teams #3, #4, #5 (RMT)

The RMTs report to the FTDC in the EOF. Duties include performing offsite surveys and samples.

Attachment 2 Responsibilities

(Sheet 3 of 4)

8. Radiological Communicator

The Radiological Communicator reports to the MRDA. Duties include obtaining information on radiological conditions inside the protected area which may impact offsite monitoring and tracking activities.

9. Meteorological Assistant

The Meteorological Assistant reports to the MRDA. Duties include obtaining and preparing current meteorological data and providing forecast information and technical input in matters involving meteorology.

10. Manager of Resources (MOR)

The MOR reports to the ADEOF. The MOR is responsible for the following:

- Providing station personnel, equipment, or supplies requested by SERO managers
- Acquiring off-site resources
- Coordinating support requests from federal regulatory agencies that have responded to Millstone Station

11. External Resources Coordinator (ERC)

The ERC reports to the MOR. The ERC assists the MOR in coordinating and obtaining off-site resources (e.g., personnel, equipment, housing, food, purchasing, and financial and legal services) needed to support the site.

12. Manager of Public Information (MPI)

The MPI reports to the ADEOF in the EOF. The MPI is responsible for the following:

- Collecting information regarding the event
- Providing input for news releases
- Monitoring media activities
- Supporting the Nuclear News Manager, located at the Hartford Armory

13. Manager of Communications (MOC)

The MOC reports to the ADEOF in the EOF. The MOC is responsible for coordinating all EOF communications which includes Emergency Notification System (ENS) communications between the station and the NRC.

Attachment 2 Responsibilities

(Sheet 4 of 4)

14. Technical Information Communicator (TIC)

The TIC performs actions at the direction of the DSEO. The TIC is responsible for the following:

- Operating OFIS
- Providing requested plant parameter data
- Informing DSEO/ADEOF of critical parameters impacting classification and PARs
- Maintaining chronology of key events status board
- Obtaining data from the CRDC, as necessary
- Providing information to the NU State EOC Technical Assistant and the TSC Staff, as requested.

15. EOF Health Physics (HP) Technician

The EOF HP Technician reports to the MRDA. The EOF HP Technician is responsible for providing HP support to the EOF.

16. EOF Shift Technician

The EOF Shift Technician reports to the ADEOF in the EOF. The EOF Shift Technician is responsible for notifying state and local officials, as directed.

17. Regulatory Liaison

The Regulatory Liaison reports to the ADEOF. The Regulatory Liaison is responsible for accommodating the NRC Site Team dispatched to the station, arranging site access for the NRC Team, providing adequate dosimetry, and responding to questions and comments.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-001 Rev. No.: 000 Minor Rev.:

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD, SV(q)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	D. Alci Steve Hock	SAHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, SV(q)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess/D Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess/D Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Director of Station Emergency Operations (DSEO)

Section A: EOF Activation/Transfer of Command and Control

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.

NOTE

For a Unit 1 event, the Unit 2 SM is the CR-DSEO.

- ☐ 2. Perform an initial briefing with the CR-DSEO and the ADTS using EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," as a guide.
- ☐ 3. Brief the EOF Managers on the event using EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," as a guide.
- ☐ 4. Check EOF SERO response status as follows:
- Verify minimum facility staff is present.
 - IF minimum staffing is not present determine the ability of the SERO to activate as is and proceed as appropriate.
 - Ensure functional areas are prepared to become operational.
- ☐ 5. Formally relieve the CR-DSEO and log the date and time of relief.
- ☐ 6. Announce the following message using the station paging system (repeat once):

Attention all station personnel. This is (name), the DSEO. I am assuming command and control of the Station Emergency Response Organization. The EOF is declared activated at this time. Currently, Millstone Station is in (classification level: _____) for (Unit # _____) due to (brief description of event: _____)

- ☐ 7. Record EOF activation time on the SERO Log Sheet.
- ☐ 8. Establish frequent communications with the ADTS and the ES.

Section B: Classification Upgrade Immediate Actions

1. Evaluate the conditions using EPI-FAP06, "Classification and PARs."

- ☐ Review the initiating condition with the TIC and the ADTS for recommendations on plant-related EALs.
- ☐ Consult with the MRDA for recommendations on radiological-related EALs.
- ☐ Consult with the MOS for recommendations on security-related EALs.

2. Perform Station Notifications as follows:

- ☐ Notify the ADTS of the classification upgrade.
- ☐ Direct the ST to initiate offsite notifications.
- ☐ IF a General Emergency has been declared, direct the ADEOF to develop PARs.
- ☐ Announce the emergency declaration level and time to the EOF staff.
- ☐ Announce that there will be no eating or drinking until further habitability is verified.
- ☐ Log time of completion.

3. Perform state notification as follows:

- ☐ Direct the ADEOF to assist in completing the IRF.
 - IF an offsite State of Emergency does not exist, approve the IRF for transmittal.
 - IF an offsite State of Emergency does exist and the Governor has directed all future notifications be processed through the State EOC, approve the IRF and provide it only to the Executive Spokesperson.
- ☐ IF a General Emergency has been declared, review and approve PARs and directly notify the DEP.

4. Perform NRC notifications as follows:

- ☐ Verify the MOC notifies the NRC via the ENS.
- ☐ Direct the ADEOF to contact the resident inspector if he/she is not on site.

5. Perform additional notifications as follows:

- ☐ Inform the Executive Spokesperson of the event.
- ☐ IF NRC Site Team DSO is present, discuss the classification with him/her.

Section C: Routine Activities

- ☐ 1. Track the response of additional On-Call and Subject-to-Call SERO personnel and direct the MOR to contact personnel for unfilled positions.

Section C: Routine Activities

- ☐ 2. Direct the TIC to continuously man the Operations Net and review the EAL tables and fission product barriers for changes in event status.
- ☐ 3. Obtain periodic input from the ADTS on the following:
 - Plant status and mission priorities.
 - Fast-breaking events.
 - Impact on EALs.
- ☐ 4. Ensure updates of the event are routinely provided to the State and local agencies.
- ☐ 5. Approve all news releases forwarded from the ADEOF before transmitting to the JMC.
- ☐ 6. IF the fission product barrier status, offsite radiological conditions, or meteorological conditions change, perform the following:
 - Refer to Section B and evaluate the conditions.
 - Direct the ADEOF to evaluate the impact on PARs.
 - Provide changes to PARs to the State, as appropriate.
- ☐ 7. Obtain the status on any precautionary dismissal, evacuation and accountability activities in progress from the MOS.
- ☐ 8. Authorize extended emergency exposure limits for lifesaving actions (dose > 25 Rem is expected) as appropriate when recommended by the ADTS for onsite personnel and the ADEOF for offsite personnel.
- ☐ 9. IF suspension of safeguards or other §50.54(x) action is invoked, instruct the MOC to notify the NRC as soon as possible (not to exceed one hour).
- ☐ 10. Notify the SERO of any significant changes in conditions using the PA system.
- ☐ 11. Review and provide concurrence for any Severe Accident Management strategy that could potentially affect the general public or offsite activities.
- ☐ 12. Request assistance from federal authorities to support the station response efforts, as necessary.
- ☐ 13. Approve relief schedules developed by the MOR.
- ☐ 14. Ensure EOF habitability controls have been considered for events involving increased radiation levels around the facility.
- ☐ 15. Conduct periodic briefings with the ADEOF and facility managers.

Section C: Routine Activities

- ☐ 16. Periodically provide the Executive Spokesperson with the following information via the open communications line:
- Event/Plant Status using EPI-FAP15-001, "DSEO/ADTS Briefing Sheet."
 - News releases prepared or in progress.
- ☐ 17. Consult with the ADTS and ADEOF on the status of each unit and station conditions.
- ☐ 18. Before NRC Site Team arrival, direct the Regulatory Liaison to prepare information for NRC briefing.
- ☐ 19. Periodically discuss conditions and events with the NRC Site Team Leader or Director of Site Operations.
- ☐ 20. IF events have been controlled to the point where termination of the emergency can be considered, Refer To EPI-FAP06 for guidance.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-002 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ If Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD, SV(q)	<input checked="" type="checkbox"/>	K. Burgess (for RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, SV(q)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/28/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Assistant Director Emergency Operations Facility (ADEOF)

This form provides guidance to the ADEOF for emergency response actions during an event which activates the SERO.

Section A: EOF Activation/Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Obtain a briefing from the DSEO.
- ☐ 3. IF the DSEO has not yet responded to the facility, perform the following:
 - Direct the MOR to immediately contact a qualified DSEO.
 - Assign an individual to the ADEOF position.
 - Assume the responsibilities assigned to the DSEO position and Go To EPI-FAP04-001.
- ☐ 4. IF a General Emergency was declared before EOF activation, determine the PAR issued by the CR-DSEO.
- ☐ 5. Conduct an initial briefing with the MRDA and AMRDAs concerning the following:
 - Initial dose assessment results.
 - On-site and off-site radiological conditions.
 - EOF High Radiation Ventilation Filtration System activation.
 - Off-site protective actions.
 - HPN data passed to NRC.
- ☐ 6. Conduct an initial briefing with the MPI concerning the following:
 - Press releases.
 - Rumors to date.
- ☐ 7. Conduct an initial briefing with the MOC concerning the following:
 - ERDS
 - ENS
- ☐ 8. Contact the MRCA and obtain information on on-site protective actions if taken.

Section A: EOF Activation/Initial Actions

- ☐ 9. WHEN EOF is activated and the ST arrives, direct the ST to relieve the control room of future ENRS notification responsibilities.

Section B: Classification/Termination

- ☐ 1. Refer To EPI-FAP06, "Classification and PARs," as applicable, to determine if any initiating conditions have been met.
- IF plant conditions change, specifically the status of the fission product barriers, discuss the conditions with the TIC.
 - IF radiological or meteorological conditions change, discuss the conditions with the MRDA.
 - Discuss EAL classification input with the DSEO.
- ☐ 2. Assist the DSEO with event termination and transition to Recovery.

Section C: Notifications

NOTE

IF the Governor declares a State of Emergency and directs all future classification changes and updates be processed through the State EOC, Incident Report Forms shall not be transmitted to the offsite agencies using the ENRS.

- ☐ 1. IF a change in classification level occurs or an update is warranted, perform the following:
- a. Ensure the ST completes an IRF for the new classification level or update message.
 - b. IF a State of Emergency **HAS NOT** been declared by the Governor, ensure the IRF is transmitted after the DSEO approves it.
 - c. IF a State of Emergency **HAS** been declared by the Governor and all future notifications are to be processed through the State EOC, ensure the following:
 - The IRF is NOT transmitted to the offsite agencies.
 - The DSEO reads the IRF to the Executive Spokesperson.
 - The IRF is faxed to the Executive Spokesperson or NNM.
 - The Executive Spokesperson notifies OEM and DEP of the message.

Section D: Protective Action Recommendations



The State must be notified within 15 minutes of the decision to issue or update PARs.

PARs are *not* to be based on "What If" dose projections unless the basis of the "What If" projection is expected to occur shortly, is well understood, and has been validated by the DSEO and ADTS.

- ☐ 1. IF a GENERAL EMERGENCY is declared or conditions change while in a GENERAL EMERGENCY, develop Protective Action Recommendations as follows:
 - a) Obtain wind direction from the MRDA.
 - b) Refer To and complete EPI-FAP06-006, "EOF PARs."
 - c) IF necessary, Refer To and review EPI-FAP06 Attachment 4, "PAR Zone Descriptions."
 - d) Ensure the DSEO verbally transmits the PAR to the DEP within 15 minutes, and then to the Executive Spokesperson.
- ☐ 2. Ensure the PAR form is faxed to the State EOC.
- ☐ 3. Update the Chronology of Events status board with current PAR information.
- ☐ 4. Determine the Protective Actions implemented by the State and notify NRC via the MOC.
- ☐ 5. Continuously evaluate the need for a PAR update, based on the following:
 - Change in fission product barrier status.
 - Change in containment radiation levels.
 - Change in radiological dose assessment.
 - Change in wind direction.
- ☐ 6. IF EPA PAGs (≥ 1 Rem TEDE or ≥ 5 Rem CDE thyroid) are or are suspected to be exceeded beyond 10 miles, perform the following:
 - Ensure that the DSEO has informed the DEP of the situation.
 - Develop PARs for areas beyond the EPZ that are affected.

Section E: Radiological Controls

- ☐ 1. IF notified by the MRDA that implementation of EPI-FAP09, "Radiation Exposure Controls," is needed for emergency exposure increases or issuing KI to off-site SERO emergency workers, perform the following:
- Evaluate the emergency condition.
 - IF KI is warranted, inform the DSEO that KI will be issued to off-site SERO emergency workers.
 - IF exposure upgrades up to 25 Rem are required, inform DSEO of increase.
 - IF exposure upgrades greater than 25 Rem are required, obtain DSEO approval.
 - Refer To EPI-FAP09-003 and sign and date appropriate form, indicating approval.
 - Direct the MRDA to implement emergency control.
- ☐ 2. Coordinate the release of contaminated person from site to a designated decontamination location.

Section F: Routine Activities

- ☐ 1. IF a release is imminent or in progress, ensure the EOF high radiation ventilation filtration system is activated.
- ☐ 2. Conduct periodic briefings with the MRDA, MPI, and MOC, as applicable.
- ☐ 3. Verify all press release information and obtain DSEO approval to release.
- ☐ 4. Authorize release of Nuclear Network messages from the MPI.
- ☐ 5. Direct the Regulatory Liaison to prepare for NRC Site Team arrival.
- ☐ 6. Prepare and conduct briefings of event conditions with the NRC Site Team.
- ☐ 7. Provide the NRC Site Team with familiarization of the following lead functional areas:
- Overall command and control (DSEO)
 - Radiological activities onsite/offsite (MRDA)
 - Plant technical response (ADTS, AMTL)
 - Resource Management (MOR)
 - Communications (MOC)

Prepared by: _____

Signature	Print	Date
-----------	-------	------

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-003 Rev. No.: 000 Minor Rev.:

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. 54(g)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54 g	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

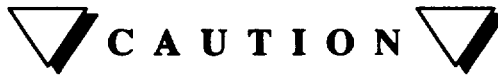
Manager of Radiological Dose Assessment (MRDA)

This form provides guidance to the MRDA for emergency response actions during events that activate the SERO.

Section A: Initial Activation

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the ADEOF of arrival and obtain event conditions and status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Assume coordination and supervision of the Radiological Dose Assessment Team (RDAT).
- ☐ 5. Review RDAT assignments and reassign actions, as necessary.
- ☐ 6. Upon DSEO turnover, perform the following:
 - Ensure the AMRDA has relieved the on-shift Chem Tech of dose assessment responsibilities.
 - Notify the ADEOF of dose assessment turnover from the on-shift Chem Tech.
- ☐ 7. Ensure the off-site RMTs are assembled, briefed and prepared for dispatch.
 - Coordinate RMT access to locked site areas with the MOS in the TSC, as necessary.
 - IF over water surveys are required, request the MOR provide transportation to the Environmental Laboratory and the boat location.
- ☐ 8. IF not constrained, direct the FTDC to dispatch off-site RMTs (specifically to the vicinity of site boundary in the downwind direction) and establish field communications as soon as possible.
- ☐ 9. IF a release impacts the EOF, ensure the EOF high radiation ventilation filtration system is activated by the EOF HP Technician.
- ☐ 10. Assign an RDAT member to test phones, hotlines, and fax machines.

Section B: Radiological Controls

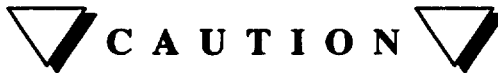


EPA-400 allows for an unrestricted emergency worker exposure of 5 Rem during a declared event, regardless of 10 CFR 20 occupational exposure previously received.

For ALARA purposes at Millstone, an ALERT or higher declaration automatically increases exposures to 4.5 Rem TEDE less annual exposure to date. If dosimetry records are unavailable for prompt deployment, a 1.5 Rem TEDE limit may be assumed. (4.5 Rem emergency worker limit minus 3 Rem contractor limit).

- ☐ 1. Consult with the MRCA on radiological conditions and on-site personnel protective action decisions.
- ☐ 2. Refer To and implement EPI-FAP09, "Radiation Exposure Controls," to:
 - Establish/upgrade off-site RMT exposure limits.
 - Evaluate/issue KI to offsite RMTs.
 - Determine DDE limit reductions.
- ☐ 3. Inform the State DEP of assumed DDE limit reductions.

Section C: Meteorological Data



Plant and dose based PARs utilize 15 minute average meteorological data. The EDAN and MP3 OFIS provide 15 minute average data.

The MP2 OFIS provides instantaneous readings which may *not* accurately identify average the plume direction. The MP2 OFIS data should only be used if it is trended.

NOTE

Wind direction data are critical to making PARs and accurate dose projections. Data is provided as a 3 digit number between 000°-360° representing the bearing from which the wind is blowing at the applicable release height (000° and 360° are from north; 180° is from south).

If no release is ongoing, the default height is the 142' elevation at MP.

- ☐ 1. IF necessary, Refer To EPI-FAP04-010, "Meteorological Assistant," and perform essential steps.
- ☐ 2. Maintain meteorological data applicable to the release elevations.

Section D: Dose Projections

NOTE

Time permitting, "What If" and "Worse Case" calculations are encouraged. Results shall be described as "hypothetical" or "bounding" in discussions with the ADEOF and DEP.

- ☐ 1. Immediately notify the ADEOF, DSEO, and MRCA any time off-site radiological or meteorological conditions change significantly or are expected to change.
- ☐ 2. Verify the release pathway and characteristics with the MTSC or the AMTL.
- ☐ 3. Brief the RAE on critical dose assessment inputs (e.g., release direction, core damage status, release filtering, containment spray, etc.)
- ☐ 4. Ensure the following are performed by the assigned staff:
 - a) IF a release is in progress, obtain effluent radiation monitor readings, radiation survey results, and TEDE and CDE thyroid dose calculations at site boundary, 5 mile, and 10 mile using EPI-FAP10, "Dose Assessment."
 - b) "What If" dose projections are developed for known source terms released to the RCS or containment.
 - c) "Worst Case" dose projections are developed for severe accident sequences in cooperation with AMTL or MTSC, as appropriate.
- ☐ 5. Identify maximum off-site airborne doses (both TEDE and CDE thyroid) at the site boundary, 5 miles, and 10 miles downwind.
- ☐ 6. Communicate dose assessment results and basis to the ADEOF, State DEP, and the NRC.
- ☐ 7. Immediately notify the ADEOF when EPA PAG limits exceed or are projected to exceed off-site TEDE ≥ 1 Rem or CDE ≥ 5 Rem.
- ☐ 8. IF dose projections indicate EPA PAGs may be exceeded beyond the 10 mile EPZ, perform the following:
 - a) Dispatch RMTs to define boundary beyond 10 mile EPZ.
 - b) Verify projected doses with RMT readings.
 - c) Inform the ADEOF of boundaries and doses to areas beyond 10 mile EPZ that may exceed EPA PAGs.
- ☐ 9. IF a radioactive liquid release via the quarry has occurred, calculate dose to the maximum individual using the REMODCM methods.

Section D: Dose Projections

- ☐ 10. IF a radioactive liquid release via the storm drain system has occurred, calculate dose to the maximum individual using the REMODCM methods with the following input values:
 - Flow - 0.22 CFS
 - Dilution factor for fish, invertebrate, and boat pathways - 100
 - Dilution factor for shore and swim pathways - 240
- ☐ 11. Update the radiological status boards.

Section E: Routine Activities

- ☐ 1. Provide input on radiological emergency classification or PAR changes to the ADEOF.
- ☐ 2. Discuss status of actual or potential release scenarios with the ADEOF.
- ☐ 3. Direct the EOF HP Technician to monitor habitability and provide radiological coverage for building access, as necessary.
- ☐ 4. After an initial PAR has been issued, notify the ADEOF of actual meteorological or radiological conditions that require an updated PAR to be issued.
- ☐ 5. Determine personnel resources and establishes individual work priorities. (e.g., off-site dose assessment strategy).
- ☐ 6. IF an effluent sample is required, Refer To EPI-FAP11, "Core Damage Assessment."
- ☐ 7. IF an environmental sample is required, ensure Environmental Services sampling personnel are contacted and directed in accordance with procedures.
- ☐ 8. Monitor changes in the radiological release pathways via OFIS, TIC, or AMT.
- ☐ 9. Provide input to NRC questions on radiological information via the HPN, as necessary.
- ☐ 10. Consult with the State DEP representative on the following:
 - Dose assessments and field team coordination
 - RMT data
 - Meteorological data

Section E: Routine Activities

- ☐ 11. Immediately notify the ADEOF, and MRCA when off-site radiological conditions have changed significantly or are expected to change.
- ☐ 12. Consult with the MTSC or AMTL regarding radiological data that may affect the following:
 - Plant recovery plans that may effect radiological conditions
 - Accident sequence
 - Radiation release paths
 - Core uncover time
 - Performance information regarding radioactivity mitigating systems
 - Compared results of radiologically based core damage estimates with results obtained using thermal hydraulic methods.
- ☐ 13. Provide a routine briefing to the RDAT on radiological status.
- ☐ 14. Maintain radiological status boards in EOC, as necessary.
- ☐ 15. Request additional personnel from the MOR, as necessary.
- ☐ 16. Process requests for PASS samples when warranted or requested by the ADTS.
- ☐ 17. Direct the RAE to calculate core damage estimations when data becomes available, as needed..

Section F: Environmental Sampling

Sample Location and Schedule

- ☐ 1. Refer To Table 1 "Sample Location References" and the following to determine which areas to begin searching for contamination:
 - For Stack ReleasesObtain data from the 374' met data
 - For Rooftop ReleasesObtain data from the 142' met data
 - For Ground ReleasesObtain data from the 33' met data
 - **DAYTIME - Wind Speed Less than 4 mph (2m/sec)**
Survey in downwind sector and 3 sectors to each side
 - **DAYTIME - Wind Speed Greater than 4 mph (2m/sec)**
Survey in downwind sector and 1 sector on each side
 - **NIGHTTIME - Wind Speed Less than 2 mph (1m/sec)**
Survey in downwind sector and 2 sectors on each side
 - **NIGHTTIME - Wind Speed Greater than 2 mph (1m/sec)**
Survey in downwind sector and 1 sector on each side
- ☐ 2. Coordinate sampling locations, schedule and strategies through State DEP.
- ☐ 3. Periodically, provide environmental sampling teams with the following:
 - Wind Direction
 - Plant Status
 - Sample Collection directions (including TLD)

Analytic Requirements

- ☐ 1. Determine the needed analytic requirements for the requested samples types:
 - HPGe or NaI
 - Iodine chemistry
 - Strontium chemistry
 - Tritium
- ☐ 2. Determine the required Minimum Detectable Levels (MDLS).

Laboratory Selection

- ☐ 1. Send samples to primary contractor for analysis.
- ☐ 2. Obtain assistance from additional contractor, as necessary.

Section F: Environmental Sampling**Preparation and Transmittal of Sample Requests**

- ☐ 1. Refer To Table 2, "Record of Requested Environmental Samples," and document sample determinations.
- ☐ 2. Forward a copy of Table 2 to Environmental Services, and record the time.

Sample Delivery Confirmation, Analytic and TLD Results

- ☐ 1. Obtain Environmental Services confirmation that samples have been delivered to laboratory.
- ☐ 2. Refer To Table 2, "Record of Requested Environmental Samples," and record laboratory results of field sample analysis.
- ☐ 3. Refer To Table 3, "Field TLD Data," and record the TLD results.

Prepared by: _____
Signature Print Date

Table 1: Sample Location References

SAMPLE TYPE	LOCATIONS	MAPS
SAMPLE TYPE	LOCATIONS	MAPS
TLDs	Emergency TLD locations and their backgrounds as identified in the Environmental Operating Report	Millstone REMODCM
Air Particulates & Iodine	Environmental Operating Report	Millstone REMODCM
Aquatic		
Ground Cover (Broad Leaf Vegetation, Grass, Snow, etc.)	As taken by the Environmental Sampling Team in the Environmental Operating Report	Millstone Nuclear Power Station Field Monitoring Map Books
Milk (or Pasture Grass)	Dairy cows and goat census in Annual Environmental Operating Report.	Millstone REMODCM
Vegetables, Fruits and Water	Environmental Operating Report	Millstone REMODCM

Table 2: Record of Requested Environmental Samples

TYPE OF SAMPLE	LOCATIONS OR AREA	DISTANCE & DIRECTION (FROM PLANT)	APPROXIMATE TIME FOR SAMPLING	LAB	ANALYSES REQUESTED	ENV TEAM CONTACTED		DATE & TIME RECEIVED BY LABORATORY	RESULTS RECEIVED
						NAME	DATE/TIME		

Performed By: _____ Reviewed By: _____

Table 3: Field TLD Data[illegible]

*See Radiological Calculation Reference Manual for listing of emergency TLD locations and their background radiation dose levels.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-004 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. 54(q)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54 q	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Assistant Manager, Radiological Dose Assessment (AMRDA)

This form provides guidance to the AMRDA for emergency response actions during an event that activates the SERO.

Section A: EOF Activation - AMRDA #1 (Met, Status Boards, Assist FTDC)

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain information on the event conditions and a status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Notify Met Assistant of appropriate release height (default is 142').
- ☐ 5. Obtain meteorological data until relieved by the Met Assistant.
- ☐ 6. Report status of functional readiness to the MRDA.

Section B: Routine Activities

- ☐ 1. WHEN release elevation has changed, notify the Met Assistant and the Shift Tech.
- ☐ 2. Discuss and prioritize activities with the MRDA.
- ☐ 3. Assist the MRDA and the FTDC in the periodic review of RMT strategies.
- ☐ 4. Periodically update the FTDC and ensure the FTDC updates the RMTs.
- ☐ 5. Obtain updates on release status from the MTSC or AMTL as directed by the MRDA.
- ☐ 6. Develop RMT plume tracking strategy (consider plume touchdown).
- ☐ 7. Maintain the offsite radiological board in EOC.
- ☐ 8. Direct the Environmental Sampling Teams.

Prepared by: _____

Signature

Print

Date

Section C: EOF Activation - AMRDA #2 (OFIS, HPN, Assist RAE)

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain information on the event conditions and a status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. If appropriate, perform turnover of off-site dose calculations from on-shift Chemistry Technician, as follows:
 - Obtain operability status of Met tower.
 - Obtain off-site dose calculation from the on-shift Chemistry Technician.
 - Request the on-shift Chemistry Technician to notify MCRO of relief.
 - Notify the MRDA of turnover.
- ☐ 5. Initiate monitoring of OFIS for radiological assessment inputs.
- ☐ 6. Report status of functional readiness to the MRDA.

Section D: Routine Activities

- ☐ 1. Discuss and prioritize activities with the MRDA.
- ☐ 2. Obtain updates on release status from the MTSC or AMTL as directed by the MRDA.
- ☐ 3. Monitor OFIS for radiological assessment inputs.
- ☐ 4. Perform NRC/HPN communications, as directed by MRDA.
- ☐ 5. Establish contact with the NRC using the HPN telephone, as needed.

Section D: Routine Activities

- ☐ 15. Provide the NRC with radiological information and respond to questions as follows:
- Refer To Section E, "Health Physics Network (HPN) Information," to collect information for the NRC.
 - Record the time and nature of any requests for additional information (i.e., specific plant rad levels, Offsite monitoring results, etc.).
 - Obtain the most recent information from the appropriate source (MRDA, Field Team Coordinator, ADEOF, etc.).
 - Before transmitting information to the NRC, obtain MRDA or AMRDA approval.
- ☐ 16. Maintain a log of all items transmitted.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

Section E: Health Physics Network (HPN) Information

Date/Time: _____

Check Box(es) for Information Provided

☐

Millstone PARs

☐

State of CT Protective Action Decisions

SUBZONES (CIRCLE): A B C D E F

☐

Event Specific Information (list as requested)

☐

On-Site Dose Projections

Projected TEDE Dose (Rem) _____

Projected CDE Thyroid (Rem) _____

Personnel Contamination (dpm) _____

☐

Off-site Dose Projections

Projected TEDE Dose (Rem) _____

Projected CDE Thyroid (Rem) _____

☐

On-Site Survey Results

Dose Rate (mR/hr) _____

Air Activity ($\mu\text{Ci/cc}$) _____

Contamination (dpm/100 sq cm) _____

Height of Release: ☐ Ground ☐ Rooftop ☐ Elevated

Section E: Health Physics Network (HPN) Information

☐

Off-Site Surveys Results

Distance and Direction from Plant (mi) (i.e. 2.5 miles, Northeast) _____

Dose Rates (mR/hr) _____

Air Activity ($\mu\text{Ci/cc}$) _____

Contamination (dpm/100 sq cm) _____

☐

Meteorological Conditions

As of : _____

Wind Speed (mph) _____ Elevation (ft) _____

Wind Dir: from _____ into _____ (list in degrees)

Stability Class: A B C D E F G

Precipitation: _____

Forecast Information: _____

☐

Other

MRDA Approval _____

Data Transmitted to NRC _____

Date/Time

Initials

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-005 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSPD	✓
SD, S4(g)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSPD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSPD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, S4(g)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSPD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSPD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSPD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date:

10/11/00
Approval Date

12/21/00
Effective Date

Radiological Assessment Engineer (RAE)

This form provides guidance to the RAE for emergency response actions during an event that activates the SERO.

Section A: EOF Activation

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain information on the event conditions and a status update.
- ☐ 3. Verify functional readiness of hardware (i.e., computer, printer) and software used to determine offsite doses.
- ☐ 4. Consult AMRDA #2 concerning parameters of interest for tracking (usually second RAE).
- ☐ 5. Report status of functional readiness to the MRDA.
- ☐ 6. Establish communications with DEP.

Section B: Routine Activities

- ☐ 1. IF AMRDA is unable to assist, Refer To EPI-FAP15-006, "OFIS Instructions," and access OFIS to track accident and effluent radiation monitor readings.
- ☐ 2. Refer To EPI-FAP10, "Dose Assessment," and calculate projected off-site doses.
- ☐ 3. Refer To EPI-FAP11, "Core Damage Assessment," and prepare core damage estimates, as directed by the MRDA.
- ☐ 4. Provide results of the following to the MRDA:
 - dose assessment reports per EPI-FAP10.
 - Core damage estimates reports per EPI-FAP11.
- ☐ 5. Periodically update the DEP on dose projections and field data (usually second RAE).
- ☐ 6. Maintain a log of significant events and communications on the SERO log sheet.

Section B: Routine Activities

- ☐ 7. Periodically compare field team measurements to dose projections and adjust the source term if a clear trend is evident.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-006 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
Validation <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD, S4(g) <input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation <input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, S4(g) <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent <input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/FORC/RVDH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Field Team Data Coordinator (FTDC)

This checklist provides guidance to the FTDC for emergency response actions during events that activate the SERO.

Section A: Initial Activation

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain event conditions and status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Develop a plume tracking strategy using recommendations of the MRDA, AMRDAs, RAE, or Met Assistant.
- ☐ 5. Refer To and EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," to record field survey and sampler results.
- ☐ 6. Obtain a map of Station Radiation Monitoring Points.
- ☐ 7. Select off-site RMT personnel and perform the following:
 - Assemble initial RMT from first available HP Technician and RMT Driver.
 - Request the CBETS Operator review personnel radiation exposure reports for off-site RMT personnel.
 - If the CBETS report is not available, utilize 1.5 Rem TEDE for the RMT's available exposure.
 - Determine off-site RMT assignments based on off-site RMT available exposure.
 - Refer To Section F, "Radiation Monitoring Team Exposure Tracking Sheet," and record available exposure.
- ☐ 8. Direct off-site RMTs refer to and implement EPI-FAP15-003, "Radiation Monitoring Point Data Sheet."

Section A: Initial Activation

- ☐ 9. Prior to dispatch, brief off-site RMTs on the following:
 - Plant conditions (current and projected)
 - Radiological conditions (current and projected)
 - Meteorological conditions (current and projected)
 - Survey locations
 - Low background areas
 - Access routes
 - Exposure limits and turnback values
 - Keeping personnel radiation exposures TEDE ALARA
 - Backup telephone number
 - Stay in radio contact with FTDC every 15 to 30 minutes and use telephones in areas where radio reception is poor.
- ☐ 10. Obtain and exchange the cell phone numbers among each of the field teams.
- ☐ 11. Obtain approval from MRDA for initial deployment of each off-site RMT.
- ☐ 12. Perform the following radio checks with off-site RMTs:
 - ON-OFF switch in the ON position.
 - UHF toggle switch located on the right side of the control panel in the NORM (down) position.
 - Channel 7 or 8 (off-site frequency) selected.
 - Speaker volume adjusted to desired level.
 - Channel is clear.
- ☐ 13. Dispatch off-site RMTs to monitoring points.

Section B: Recurring Actions

- ☐ 1. Provide guidance on meter usage, as necessary.
- ☐ 2. Record radiological data on EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and the Radiological Survey Data Boards, as appropriate.
- ☐ 3. Notify MRDA of significant changes in measured radiation levels or elevated air sample counts.
- ☐ 4. Monitor off-site RMT personnel radiation exposure.

Section B: Recurring Actions

- ☐ 5. IF any off-site RMT member received 75% of the allowable exposure, notify the MRDA.
- ☐ 6. IF dose rate measurement with window open is significantly higher than with window closed, direct off-site RMTs to take air samples.
- ☐ 7. Direct off-site RMTs to count iodine and particulate filters in a low background area.
- ☐ 8. Transfer information to MRDA.
- ☐ 9. Record off-site RMT radiological survey results on the Radiological Data Status Boards.
- ☐ 10. Update off-site RMTs on changes in plant conditions.
- ☐ 11. Notify the MRDA of unaccounted team members.
- ☐ 12. Refer To Section C, "General Guidance on RMT Survey Strategy," and obtain general guidance on off-site RMT survey strategy.
- ☐ 13. Refer To Section F, "Radiation Monitoring Team Exposure Tracking Sheet," and monitor off-site RMT personnel radiation exposure.
- ☐ 14. Forward completed copies and forms to the MRDA.
- ☐ 15. Report all sample results to MRDA.
- ☐ 16. Forward all used samples to MRDA.

Section C: General Guidance on RMT Survey Strategy

- ☐ 1. Determine an RMT Survey Strategy from the guidance below:
 - For Stack ReleasesObtain data from the 374' met data
 - For Rooftop ReleasesObtain data from the 142' met data
 - For Ground ReleasesObtain data from the 33' met data
 - **DAYTIME - Wind Speed Less than 4 mph (2m/sec)**
Survey in downwind sector and 3 sectors to each side
 - **DAYTIME - Wind Speed Greater than 4 mph (2m/sec)**
Survey in downwind sector and 1 sector on each side
 - **NIGHTTIME - Wind Speed Less than 2 mph (1m/sec)**
Survey in downwind sector and 2 sectors on each side
 - **NIGHTTIME - Wind Speed Greater than 2 mph (1m/sec)**
Survey in downwind sector and 1 sector on each side
- ☐ 2. Consider initial RMT positioning as follows:
 - Consistent with above, first team dispatched near the site boundary.
 - If an over water monitoring team is required, second team dispatched with the boat crew.
 - Consistent with above, remaining teams dispatched in the 1-5 mile range.

Section D: Relocation Surveys - Off-Site RMT Deployment

- ☐ 1. After radioactive plume had passed, maintain control of off-site RMTs assisting the State DEP.
- ☐ 2. Direct RMTs to obtain a Relocation Sampling Team Kit.
- ☐ 3. Determine additional RMT equipment needs, as recommended by the MRDA depending on the expected scope of the surveys, considering the following:
 - Full protective clothing
 - State of Connecticut 50 mile grid map
 - Smears
 - Bags and labels for smears and smear results
 - Plastic bags to hold contaminated waste

Section D: Relocation Surveys - Off-Site RMT Deployment

- ☐ 4. Direct off-site RMTs obtain the following:
- 100 cm² smear samples on smooth surfaces or fixed structures
 - General area dose rates at each smear location
- ☐ 5. Record all surveys in Section G, "Post Plume Contamination Survey Data."

Section E: Termination Actions

- ☐ 1. WHEN event is terminated, notify all off-site RMTs of event termination.
- ☐ 2. Perform radio net sign-off.
- ☐ 3. Record SERO termination in log book.

Prepared by: _____

Signature	Print	Date
-----------	-------	------

Section F: Radiation Monitoring Team Exposure Tracking Sheet

Date: _____ Time: _____

	Allowable Whole-Body* Exposure in mR	Time	Time	Time	Time	Time	Time	Exposure to TEDE ratio:
TEAM #		PIC EXPOSURE IN mR						

TEAM #		PIC EXPOSURE IN mR						

TEAM #		PIC EXPOSURE IN mR						

TEAM #		PIC EXPOSURE IN mR						

* Verify with MRDA that allowable whole-body exposure limit will ensure TEDE does not exceed allowable limit.

Section G: Post Plume Contamination Survey Data

[illegible]

*e.g., mailbox, pavement, car, aluminum siding

****Assume 1 cpm/100 cm² = 10 dpm/100 cm²**

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-007 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓/N Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. SV (g)	<input checked="" type="checkbox"/>	K. Burgess (for RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. SV g	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RVDH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Radiation Monitoring Team #3, #4, #5 (RMT#3, #4, #5)

This form provides guidance to the off-site RMTs for emergency response actions during an event that activates the SERO.

NOTE

The team assigned to perform over water monitoring may be directed to use a kit from the Environmental Laboratory, or bring extra materials from the EOF

Section A: Initial Actions/Off-Site RMT Preparation

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Provide name and EID# to the FTDC.
- ☐ 3. Obtain the FTDC phone # in case of radio failure.
- ☐ 4. IF assigned over water monitoring, Refer To Section C for over water radiological surveys.
- ☐ 5. Obtain off-site RMT kit from EOF emergency equipment lockers.
- ☐ 6. Obtain dosimetry.
- ☐ 7. Refer To EPI-FAP15-002, "RMT Instrument, Battery, and Source Check Sheet," and perform battery and functional check in EOF.
- ☐ 8. Replace batteries determined to be weak or inoperable.
- ☐ 9. Replace emergency radiological equipment determined to be inoperable.
- ☐ 10. Prior to dispatch, receive a briefing on the following:
 - Plant, radiological and meteorological conditions (current and projected).
 - Survey locations.
 - Known high background areas.
 - Access routes.
 - Exposure limits and turnback values.
 - Keeping personnel radiation exposures TEDE ALARA.
 - Backup telephone number to contact FTDC.

Section A: Initial Actions/Off-Site RMT Preparation

- ☐ 11. Contact FTDC by radio approximately every 15-30 minutes and using telephones in areas of poor radio reception.
- ☐ 12. Obtain personnel protective equipment from EOF emergency equipment lockers, as applicable.

Section B: Over Land Radiological Surveys

- ☐ 1. Obtain keys for emergency vehicle and required equipment from emergency equipment area.

NOTE

Deployment from the EOF must be directly authorized by the MRDA because radiological conditions may have changed. If necessary, vehicle checks may be postponed until authorization for deployment has been given.

- ☐ 2. Proceed to emergency vehicle.
- ☐ 3. Perform the following vehicle radio checks:
 - Set the vehicle ignition switch to "ON" or "ACCESSORY" position.
 - Set the vehicle two-way radio to Channel 1 or to the channel specified by the FTDC.
 - Conduct an operability check of the two-way radio.
 - IF vehicle two-way or portable plug-in radio is not operational, obtain a spare portable plug-in radio from EOF.
- ☐ 4. IF radio fails during deployment, notify the FTDC by phone and request replacement instructions.
- ☐ 5. Maintain communications with FTDC approximately every 15 - 30 minutes while deployed.

Section B: Over Land Radiological Surveys

NOTE

The ASP-1 does not accurately respond to beta radiation; therefore open window results should only be used in a qualitative manner.

- ☐ 6. WHEN dispatched, proceed to survey locations using directions provided with RMT maps and perform the following:
 - Using an ASP-1/HP-270 or equivalent, monitor radiation levels enroute to designated survey locations.
 - IF dose rate levels exceeds 2X background, notify FTDC.
 - WHEN designated survey locations are reached, perform requested radiological survey.
 - Refer EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and document survey results.
- ☐ 7. Notify the FTDC of survey results.
- ☐ 8. WHEN requested, proceed to a low background area to await further instructions.

Section C: Over Water Radiological Surveys

- ☐ 1. Ensure the FTDC has arranged transportation to the Environmental Laboratory and to the boat location.
- ☐ 2. Obtain the following, as necessary:
 - Exposure limits
 - Protective clothing
 - Respiratory protection equipment
 - Radio
- ☐ 3. Obtain over water RMT kit from Environmental Laboratory.
- ☐ 4. Obtain dosimetry.
- ☐ 5. Refer To and complete EPI-FAP15-002, "RMT Instrument, Battery, and Source Check Sheet."
- ☐ 6. Replace batteries determined to be weak or inoperable.
- ☐ 7. Replace emergency radiological equipment determined to be inoperable.
- ☐ 8. Obtain survival suits or other equipment, as necessary, for weather conditions.

Section C: Over Water Radiological Surveys

- ☐ 9. Prior to dispatch, receive a briefing on the following:
 - Plant, radiological and meteorological conditions (current and projected)
 - Sampling locations
 - Access routes
 - FTDC telephone number
 - Exposure limits and turnback values
 - Maintaining personnel radiological exposures TEDE ALARA
 - Backup telephone number to contact FTDC
- ☐ 10. Contact FTDC by radio approximately every 15-30 minutes and using telephones in areas of poor radio reception.

NOTE

The boat captain is responsible for safe operation of the boat and has the authority to return to port if weather or mechanical conditions become unsafe.

- ☐ 10. Coordinate activities with the boat captain.
- ☐ 11. Request boat captain perform radio check of over water monitoring Channel 97, as follows, and record results on EPI-FAP15-003, "Radiation Monitoring Point Data Sheet."
 - Turn OFF Volume control half way to the right.
 - Turn SQUELCH (SQ) control counter clockwise as far as possible until a hissing sound is heard from the speaker.
 - Adjust VOLUME control until the hissing sound is easily heard but not annoyingly loud. Turn SQUELCH control slowly clockwise until the hissing noise stops.
- ☐ 12. WHEN transmitting a message, perform the following:
 - Press the push-to-talk button on the microphone.
 - Speak directly into the microphone in a clear voice.
 - Release the pushbutton as soon as transmission is complete.
- ☐ 13. Perform operability check of self-contained portable air sampler.

Section C: Over Water Radiological Surveys

NOTE

Battery jacks are inside boat cabin door, under the starboard gunwale.

- ☐ 14 Refer To EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and record air sampler operability check results.
- ☐ 15. Using an ASP-1/HP-270 or equivalent, monitor radiation levels enroute to designated survey locations.
- ☐ 16. Request boat captain to monitor Channel 97 on shipboard radio.
- ☐ 17. IF radio fails, identify alternate communications (i.e., backup radio, marine telephone, portable telephone).
- ☐ 18. Notify FTDC of RMT radio problem.

Section D: Recurring Actions

- ☐ 1. Perform over water survey as directed by FTDC.
- ☐ 2. Refer To EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and document survey results.
- ☐ 3. Notify FTDC of survey results.
- ☐ 4. WHEN requested, proceed to a low background area to await further instructions.

Section E: Termination

- ☐ 1. WHEN notified of event termination, perform the following:
 - Notify FTDC of safe return.
 - Complete and signed forms.
 - Forward completed forms to MRDA.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04 - 008 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GD01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			JW Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. 54(g)	<input checked="" type="checkbox"/>	K. Burgess (for RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54 g	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

MP-05-DC-SAP01-001

Rev. 002-01

Page 1 of 1

10/11/00
Approval Date

12/21/00
Effective Date

Radiological Communicator - EOF

This form provides guidance to the Radiological Communicator - EOF for emergency response actions during events that activate the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify MRDA of arrival.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Establish communications with the MRCA/Rad Comm in the TSC/OSC.
- ☐ 5. Establish communications with the CBETS Operator in the OSC Assembly Area.
- ☐ 6. Assist the EOF HP Tech in establishing EOF habitability and set-up of monitoring equipment.
- ☐ 7. Monitor RMT #2 communications.
- ☐ 8. Brief MRDA on onsite radiological conditions.
- ☐ 9. Brief the MRCA on offsite radiological and meteorological conditions.

Section E: Recurring Actions

- ☐ 1. Monitor onsite rad data, met (wind direction) data, and potential release path information.
- ☐ 2. Update Radiological Status Board in EOC as data becomes available.
- ☐ 3. Update the MRDA and MRCA on changing conditions.
- ☐ 4. Assist the EOF HP Tech with monitoring of facility habitability.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04 - 009 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ If Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
50.54(q)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(q)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

EOF HP Technician

This form provides guidance to the EOF HP Technician for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain event conditions and status.
- ☐ 3. Perform the following as requested by the MRDA:
 - Conduct habitability surveys
 - Activate the High Radiation Filtration System using EPI-FAP15-015, "EOF Air Handling and High Radiation Filtration System."
- ☐ 4. Perform decontamination facility setup.
- ☐ 5. Conduct performance checks of the following count room equipment (i.e., scalers):
 - Background counts
 - Source check
 - Gamma spectrometer

Section B: Recurring Actions

- ☐ 1. IF an offsite release of radioactivity occurs, issue dosimetry to EOF personnel.
- ☐ 2. Notify the MRDA of Air Handling and High Radiation Filtration System status.
- ☐ 3. Refer To EPI-FAP15-015, "EOF Air Handling and High Radiation Filtration System," and verify parameters.
- ☐ 4. IF a sample analysis has been requested, Refer To and implement CP 801/2801/3801 AT "Gamma Spectroscopy Counting System Maintenance and Operations."
- ☐ 5. Provide results of any sample analyzed to the MRDA or MRCA, as appropriate.
- ☐ 6. IF asked to perform personnel decontamination, Refer To and implement RPM 2.11.1, "Survey and Decontamination of Personnel and Clothing."

-



- Verify Air Handling and High Radiation Filtration System is in the normal operating mode.
- Set “NITE OVERRIDE” switch to “NORMAL.”

Date _____

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-000 Rev. No.: 000 Minor Rev.:

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓/✗ Comments
				Yes	No	Dept.	
Validation <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
SO. 54(9) <input checked="" type="checkbox"/>	K. Burgess (for RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Validation <input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54(9) <input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD <input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSP	
Independent <input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Meteorological Assistant

This form provides guidance to the Meteorological Assistant for emergency response actions during events that activate the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the MRDA of arrival and obtain update of event conditions and status.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Determine correct MET tower level for the event.
- ☐ 5. Using EDAN terminal, obtain and review MET data.
- ☐ 6. Determine if any instrumentation is inoperable and brief the MRDA as necessary.
- ☐ 7. Contact contracted weather service regarding current MET data and request a forecast.
- ☐ 8. Refer To Section F, "Meteorological Data Sheet," and record MET data.
- ☐ 9. Brief the MRDA on current meteorological conditions and weather forecasts.
- ☐ 10. Distribute Section F, "Meteorological Data Sheet," to the MRDA, ADEOF, RAE, FTDC, TSC/OSC (fax), OSC AA (fax), and State EOC (fax).
- ☐ 11. Brief all recipients, as necessary.
- ☐ 12. Post MET data and forecast information on the Radiological Emergency Status Board.

Section B: Maintaining Meteorological Communications

- ☐ 1. Consult contracted weather meteorologist to ensure the following:
 - Proper mutual understanding of forecast
 - Site micro-meteorology
 - Synoptic conditions

Section B: Maintaining Meteorological Communications

- ☐ 2. Brief MRDA on possibility of severe weather (e.g., severe thunderstorms, tornadoes, lightning, ice storms, blizzard conditions, etc.), as necessary.
- ☐ 3. Fax Section F, "Meteorological Data Sheet," to the TSC/OSC and OSC AA every 15 minutes or upon update.
- ☐ 4. Evaluate actual changes in wind direction which affect the geographic zones within the 10 mile EPZ and inform the ADEOF:

Bearings affecting PARs out to 5 miles

Direction

Zones to Evacuate

083°-139°	A and East Lyme in B
140°-167°	A and East Lyme and Waterford in B
168°-189°	A and Waterford in B
190°-243°	A and Waterford and New London in B
244°-290°	A and New London in B
291°-082°	A

Bearings affecting PARs out to 10 miles

Direction

Zones to Evacuate

030°-051°	A and B
052°-088°	A and B and Old Lyme in D
089°-093°	A and B and D
094°-138°	A and B and D and East Lyme in C
139°-154°	A and B and C and Lyme in D
155°-177°	A and B and C
178°-186°	A and B and Montville and Waterford in C
187°-193°	A and B and Montville and Waterford in C and Ledyard in E
194°-218°	A and B and E and Montville and Waterford in C
219°-229°	A and B and E and Waterford in C
230°-244°	A and B and E
245°-257°	A and B and Groton City & Town in E
258°-286°	A and B and F and Groton City & Town in E
287°-316°	A and B and F
317°-339°	A and B
340°-029°	A and B and Plum Island

Section B: Maintaining Meteorological Communications

- ☐ 5. IF all sea breeze fumigation criteria are met as shown in Table 1, inform MRDA that calculations should be amended for fumigation conditions.

Table 1 Sea Breeze Fumigation Criteria for MILLSTONE Station	
Air mass significantly warmer than water temperature.	Date between 3/15 and 9/15
On-shore wind at coast.	101° degrees <WD< 259° degrees
Cool, stable layer near ground at coast.	Delta T @ 142 feet > -0.2° C/> -4° F
Solar radiation at coast adequate for land surface heating.	Millstone SOLAR > 0.5 ly/min.
Solar radiation inland adequate to maintain surface heating.	SOLAR > 0.5 ly/min.

- ☐ 6. Refer To Section F, "Meteorological Data Sheet," and record any items of special significance (i.e., high degree of uncertainty regarding accuracy of either measured data or forecasts, or possibility of sea breeze fumigation or recirculation).

Section C: Maintaining Meteorological Data Availability

- ☐ 1. IF MET data is *not* available from first EDAN link, obtain data using any of the other EDAN data links.
- ☐ 2. IF EDAN system component fails or malfunctions, notify IT help desk.
- ☐ 3. IF either primary or backup MET system is out of service due to instrument maintenance or similar cause, OR data is available but invalid or anomalous, notify personnel and MOR to correct problem.
- ☐ 4. IF data is *not* available through an EDAN channel, obtain data from any of the following:
- Control Room / Unit 3 plant process computer (via MRDA, CRDC)
 - Met tower data shack (via request to DSEO, MOSC)
 - Unit 3 OFIS
 - 10m mast data shack (via request to DSEO)
 - Weather service contractor
 - Other appropriate source

Section C: Maintaining Meteorological Data Availability

- ☐ 5. IF using data from backup source, Refer To the "Meteorological Team Reference Manual for Support of Nuclear Plant Emergencies," and perform the following, as applicable:
- Calculate wind speed data and delta temperature data by extrapolation to appropriate site tower measurement height.
 - Assign delta temperature value to stability class.
 - Record wind direction data directly

Section D: Turnover During Protracted Facility Operations

- ☐ 1. Request the MOR notify additional Met Assistants to stand by or remain available as necessary.
- ☐ 2. Brief relief on the following:
- Past and current weather conditions
 - Current forecast and items of special note or meteorological uncertainties
 - EDAN status
 - Data source, if other than EDAN
 - Weather service/external information sources status
 - Log entries including the following:
 - ⇒ MRDA instructions
 - ⇒ Significant communications (e.g., NRC and other agencies)
 - ⇒ Special telephone numbers

Section E: Recurring Actions

- ☐ 1. Update MET data at approximately 15 minute intervals and weather forecasts at approximately 1 hour intervals.
- ☐ 2. Log significant events and activities.
- ☐ 3. Check appropriate MET tower level data in use.

Prepared by: _____

Signature

Print

Date

Section F: Meteorological Data Sheet

Current Met Tower Data at Date: _____ Time: _____ Appropriate Tower Level: _____

AT033 (°C)	WD033 (deg)	WS033 (m/s)	WD142 (deg)	WS142 (m/s)	DT142 (°C)	STAB 142	WD374 (deg)	WS 374 (m/s)	DT 374 (°C)	STAB 374	Precip Type	Precip Intens	Into Sect

Forecast for Site

For Periods: From: To:	AT033 (°C)	WD033 (deg)	WS033 (m/s)	WD142 (deg)	WS142 (m/s)	WD374 (deg)	WS374 (m/s)	Stability Class	Cloud Cover	Precip Type	Precip Intens	Into Sect
To												
To												
To												
To												
To												

Plain Language Version of Above Data for Public Dissemination

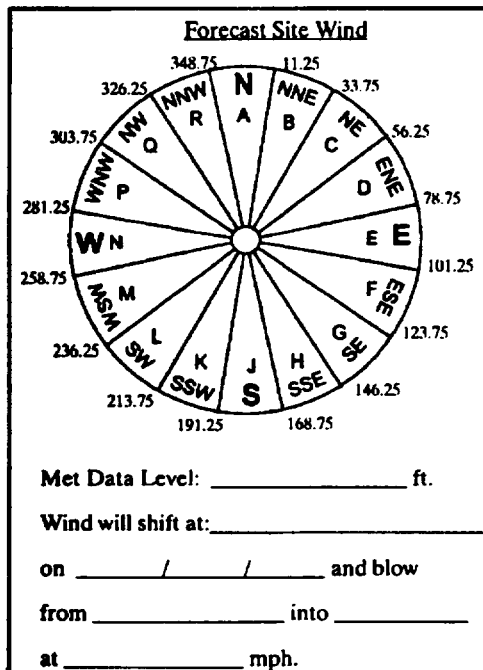
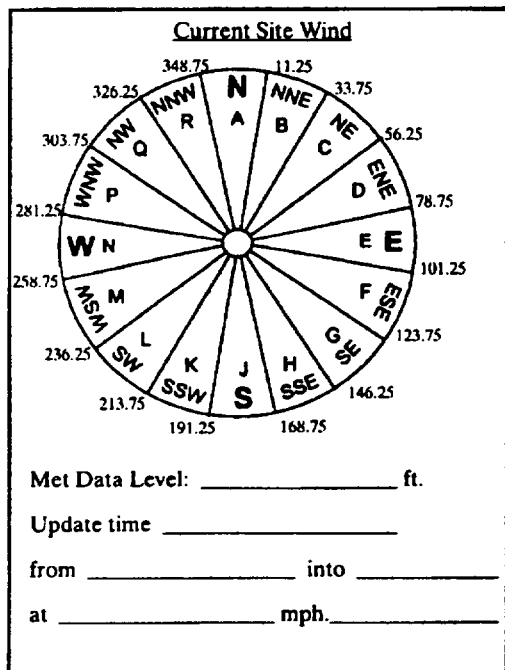
At _____ the wind direction at the site is blowing: from _____° to _____° at _____ mph.

It is expected to remain in this direction until: _____

After which, it is expected to change and blow: from _____° to _____° at _____ mph.

Meteorological Data to be Posted on Emergency Status Board

Notes:



6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-011 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ If Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
SO. 54(q)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54 q	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/28/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Manager of Resources (MOR) or External Resources Coordinator (ERC)

This form provides guidance to the MOR/ERC for emergency response actions during events that activate the SERO.

Section A: Initial Actions

NOTE

EPUG-08B, "Millstone Emergency Plan Resource Book," contains the phone numbers for SERO personnel, Offsite governmental officials and emergency responders, and support resources points of contact.

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the ADEOF of arrival and obtain a status briefing.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Obtain the SERO call-back verification report from the fax in the MOC's office.
- ☐ 5. Perform Assembly Area activities in accordance with EPI-FAP08, "Evacuation and Assembly."
- ☐ 6. Complete a Section D report for on-shift and first relief shift personnel when all of the facilities are activated and fully staffed (Refer To Section B.3 for shift relief).
- ☐ 7. Determine need for essential resources.
- ☐ 8. Notify INPO that the SERO has been activated.

Section B: Recurring Actions

- ☐ 1. Coordinate obtaining extra personnel for any emergency facility that requires additional assistance as follows:
 - Contact the necessary individuals.
 - Refer To EPI-FAP15-011, "Fitness for Duty Questionnaire," and determine if notified personnel are fit for duty.
 - IF notified personnel are determined fit for duty, request personnel to report to the EOF.
 - Upon arrival, coordinate access for the responders into the Protected Area with Security as necessary.
- ☐ 2. Transfer additional support personnel to respective ERFs as follows:
 - Consult the MRDA to determine safe access routes for transporting personnel to the station.
 - Issue an Emergency Vehicle Pass to each vehicle transporting personnel from the EOF to the station.
- ☐ 3. Prepare shift relief schedules and rosters as follows:
 - a. Consult with the DSEO and SERO managers to determine shift personnel requirements.
 - b. Notify personnel of the following:
 - Shift assignment
 - Shift duration
 - Reporting time
 - Reporting location
 - c. Record shift assignments next to the SERO position on Section D and designate as shift 1, 2, or 3.
- ☐ 4. Notify the following of the emergency:
 - Purchasing Department
 - Maintenance Support Services Department
 - Site Services Department
 - Nuclear Document Services Personnel
 - Transportation Department
 - Treasury Department

Section B: Recurring Actions

- ☐ 5. Request Information Technology provide support personnel to the EOF, as necessary.
- ☐ 6. Request photocopier services provide support personnel to the EOF, as necessary.
- ☐ 7. Contact the Maintenance Support Services Department for the following resources:
 - Craft Labor
 - Tools
 - Equipment
- ☐ 8. Contact the Purchasing Department for the following resources:
 - Consulting Services
 - Expense Account Services
 - Temporary Housing
 - Food
- ☐ 9. Contact the Site Services Department for the following resources:
 - Supplies
 - Vehicles
 - Heavy Machinery
- ☐ 10. Contact the Transportation Department for the following resources:
 - Vehicles
 - Equipment
 - Supplies
 - Personnel
- ☐ 11. Consult the DSEO to determine the need for outside agency assistance.
- ☐ 12. IF petty cash reserves are needed, notify the Treasury Department of the need.
- ☐ 13. Obtain DSEO approval before requesting equipment or services over \$100,000.
- ☐ 14. Obtain additional support for services from INPO, as necessary.
- ☐ 15. Obtain legal, insurance, and treasury services, as necessary.

Section B: Recurring Actions

- ☐ 16. Coordinate with the Regulatory Liaison to support the following, as necessary:
- NRC site team
 - Supporting organizations

NOTE

The following events may require large amounts of bottled breathing air:

- Environmental or radiological release that threatens control room habitability
- Fire or chemical release
- Conditions projected to exhaust or restrict access to SCBA deployment on-site

- ☐ 17. IF event requires large amounts of bottled breathing air, perform the following:
- a. Request Emergency Equipment and Services Personnel provide the following:
- Additional bottles
 - Refills
 - Additional SCBAs for relief teams.

C A U T I O N

Refills are usually provided from a cascade system of storage tanks replenished by a compressor. Running the compressor at a facility on or near the site during a radiological release may contaminate the air in the cascade system.

- b. IF radiological event is in progress and the Fire Training cascade system requires filling by compressor, request off-site organizations refill bottles.
- c. Coordinate bottle transport between points of use and refill facilities.

Section C: Termination

- ☐ 1. IF directed by the DSEO to terminate the SERO, perform the following:
- Notify departments and agencies supporting the site with resources that the event has been terminated.
 - Cancel any orders for resources no longer needed as a result of the termination.

Prepared by: _____

Signature

Print

Date

Section D: SERO Facility Shift Staffing**TSC/OSC Combined Facility**☐ Shift 1 ☐ Shift 2 ☐ Shift 3

Shift From: _____ (hrs) To: _____ (hrs)

POSITION	NAME	PHONE	PAGER
<i>Minimum Staffing - 60 Minute Response</i>			
MRCA			
TSCRE			
UADTS			
UADTS			
UMOSC			
UMTSC			
UMTSC			
UTSCEE			
UTSCEE			
UTSCME			
UTSCME			
<i>Augmented Staffing - Subject to Call</i>			
AMTL			
AMT TH			
AMT ME			
MOS			
RAD COM			
UOSCMA			
UTSC SM			

Any route restrictions: ☐ No ☐ Yes

Section D: SERO Facility Shift Staffing**OSC Assembly Area**☐ Shift 1 ☐ Shift 2 ☐ Shift 3**Shift From:** _____ (hrs) **To:** _____ (hrs)

POSITION	NAME	PHONE	PAGER
<i>Minimum Staffing - 60 Minute Response</i>			
ARPS			
GES			
RMT #2A			
RMT #2B			
RMT #2C			
RMT #2D			
UELEC			
UELEC			
UI&C Tech			
UI&C Tech			
UMECH			
UMECH			
UMOSC			
<i>Augmented Staffing - Subject to Call</i>			
CBETS Operator			
UI&C OSC			
UI&C OSC			
UOSMA			
UTSC SM			
UTSC SM			

Any route restrictions: ☐ No ☐ Yes

Section D: SERO Facility Shift Staffing**Unit 1 Control Room**☐ Shift 1 ☐ Shift 2 ☐ Shift 3

Shift From: _____ (hrs) To: _____ (hrs)

POSITION	NAME	PHONE	PAGER
SM/MCRO			
PEO (NCO)			

Unit 2 or Unit 3 Control Room (Circle One)☐ Shift 1 ☐ Shift 2 ☐ Shift 3

Shift From: _____ (hrs) To: _____ (hrs)

POSITION	NAME	PHONE	PAGER
SM/MCRO			
US			
STA			
CO			
CO			
PEO			
PEO			

Station Shift Support☐ Shift 1 ☐ Shift 2 ☐ Shift 3

POSITION	NAME	NUMBER	PAGER
SDO			
Shift Tech			
RMT #1			
RMT #1			
RMT #1			
Chem Technician			
Chem Technician			
UCRDC			
UCRDC			

Any route restrictions: ☐ No ☐ Yes

Section D: SERO Facility Shift Staffing

EOF

☐ Shift 1 ☐ Shift 2 ☐ Shift 3

Shift From: _____ (hrs) To: _____ (hrs)

POSITION	NAME	PHONE	PAGER
Minimum Staffing - 60 Minute Response			
ADEOF			
DSEO			
EOF HP			
EOF Shift Technician			
MOR			
MPI			
MRDA			
RMT #3			
RMT Driver			
RMT #4			
RMT Driver			
RMT #5			
RMT Driver			
UMOC			
UMOC			
UTIC			
UTIC			
Augmented Staffing - Subject to Call			
AMRDA			
AMRDA			
ERC			
FTDC			
MET Assistant			
RAD COMM			
RAE			
Regulatory Liaison			
Station EP Representative			
State EP Representative			

Any route restrictions: ☐ No ☐ Yes

Section D: SERO Facility Shift Staffing

State EOC

☐ Shift 1 ☐ Shift 2 ☐ Shift 3

Shift From: _____ (hrs) To: _____ (hrs)

POSITION	NAME	PHONE	PAGER
<i>Minimum Staffing - 60 Minute Response</i>			
Exec Spokesperson (ES)			
NNM			
<i>Augmented Staffing - Subject to Call</i>			
Media Liaison			
Rad Briefer			
Rumor and Inquiry Control			
Technical Briefer			
Technical Assistant			

Any route restrictions: ☐ No ☐ Yes

Simulator Foyer

MP-26-EPI-FAP04-011
Rev. 000
Page 10 of 10

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04 - 012 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ H Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
SO. 54(g)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54g	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Manager of Public Information (MPI)

This form provides guidance to the MPI for emergency response actions during events that activate the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify ADEOF of arrival.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.
- ☐ 4. Verify MPI telephones (commercial and hotline) are operational.
- ☐ 5. Contact the NNM to discuss event status and strategy.
- ☐ 6. IF State EOC is NOT activated, perform the following:
 - a. Refer To Section C, "Rumor Control/Inquiries Form," and record all calls and inquiries.
 - b. Respond to caller's inquiries using available information.
 - c. Fax completed copies of all Rumor Control/Inquiries to the State EOC.
 - d. Post copy of completed form on EOF Rumor Control board.

Section B: Recurring Actions

- ☐ 1. IF media arrives at plant gate, perform the following:
 - IF the Joint Media Center is activated, direct media to the available media center.
 - IF Joint Media Center has not been activated, brief media on event.
 - Refer To Section E, "Directions to Facilities," and provide directions to the available media center, as necessary.

Section B: Recurring Actions

NOTES

The following actions apply to calls received once the Joint Rumor and Inquiry Control Center at the State EOC is activated.

The Joint Rumor and Inquiry Control Center should be the centralized location for all calls from the media, local officials, and members of the public.

- ☐ 2. IF the Joint Rumor and Inquiry Control Center is activated and a call is received at the site, direct the call to the State EOC unless a simple response is appropriate.
- ☐ 3. Obtain available information on the event, including information from DSEO and SERO Managers during briefings.
- ☐ 4. Notify the NNM at the State Joint Media Center of information from briefings.
- ☐ 5. Refer To EPI-FAP13, "News Releases," and prepare news releases unless directed otherwise by the NNM.
- ☐ 6. Submit news releases to the ADEOF for technical review.
- ☐ 7. Submit news releases to the DSEO for approval.
- ☐ 8. Refer To Section D, "SNET FaxWorks Instruction," and distribute news releases using SNET FaxWorks.
- ☐ 9. Notify ADEOF of significant questions and status of public information activities at the State Armory.
- ☐ 10. Request additional site support personnel from the MOR, as necessary.
- ☐ 11. Notify Customer Service Operator to request that media and public inquiries be directed to the "official" number to call for event related information.
- ☐ 12. WHEN calls are received, complete Section C.

Prepared by: _____

Signature

Print

Date

Section C: Rumor Control/Inquiries Form

NUMBER:				
SOURCE OF INQUIRY	<input type="checkbox"/> PHONE CALL	CALLER'S NAME	CALLER'S TELEPHONE NUMBER	
		CALLER'S AFFILIATION		
		MANNER <input type="checkbox"/> CALM <input type="checkbox"/> RATIONAL <input type="checkbox"/> COHERENT <input type="checkbox"/> EMOTIONAL <input type="checkbox"/> ANGRY <input type="checkbox"/> ANGRY <input type="checkbox"/> INCOHERENT <input type="checkbox"/> RIGHTEOUS <input type="checkbox"/> LAUGHING		
	<input type="checkbox"/> MEDIA	HAS THIS RUMOR BEEN BROADCAST? <input type="checkbox"/> YES <input type="checkbox"/> NO	IF YES, WHICH MEDIA?	
	<input type="checkbox"/> OTHER	DESCRIBE		
CALL TAKEN BY:		TIME	DATE	
RUMOR / INQUIRY:				
REFERRED TO: <input type="checkbox"/> N/A <input type="checkbox"/> MILLSTONE <input type="checkbox"/> STATE		DEPT OR AGENCY	NAME	
RESOLUTION: <input type="checkbox"/> REASSURED CALLER <input type="checkbox"/> GAVE CALLER THE FOLLOWING INFORMATION: _____ _____				
<input type="checkbox"/> TOLD CALLER YOU WOULD CALL HIM/HER BACK <input type="checkbox"/> TOLD CALLER TO STAY TUNED TO LOCAL EAS STATION				
FOLLOW-UP ACTIONS REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DESCRIBE FOLLOW-UP ACTION TAKEN: _____ <input type="checkbox"/> RETURNED PHONE CALL AT _____ AM/PM <input type="checkbox"/> GAVE CALLER THE FOLLOWING INFORMATION: _____ _____				
INFORMATION PROVIDED BY (IF DIFFERENT FROM "REFERRED TO" ABOVE): <input type="checkbox"/> NAME _____ NOTIFIED OF POTENTIAL PROBLEM OR TREND <input type="checkbox"/> OTHER _____				
		FINAL STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED		

Section D: SNET Faxworks Instructions

SNET FaxWorks: Sending a Fax Broadcast from a Fax Machine

These instructions demonstrate how to send a fax broadcast via SNET FaxWorks from a fax machine to either a distribution list or a group of fax numbers that have not been entered into the SNET FaxWorks computer.

1. **Dial 1-800-229-4329** from the telephone connected to the fax machine. (A set of voice instructions by the SNET FaxWorks Computer will guide the process).
2. From the telephone set, enter the seven digit SNET FaxWorks password, followed by the star key (*). **The Password is: 7972657**
3. To send a fax, press "1"
4. The following list of choices regarding the delivery time of the fax will be given:
 - a) To send the fax immediately, press "1"
 - b) To send the fax overnight (Between 11 p.m. and 7 a.m. EST), press "2"
 - c) To schedule delivery at a specific time within a 24-hour period, press "3"
 - d) Enter the military time at which you want the fax to go out (i.e., 4 p.m. EST is 16:00 hours in military time).
 - e) To send to a SNET FaxWorks Mailbox, press "4"

NOTE

Multiple lists or fax numbers may be entered, but they need to be entered one at a time, with each entry followed by the star key (i.e., 001*, 003*, 860-555-1212*, 005*, 704-555-9898*).

5. For each entry, enter the **distribution list number** (i.e., 001) or the **fax number (including area code)** to send the document to a specific location(s), and then enter the **star key (*)**.
6. Select one of the following for SNET FaxWorks:
 - 001 - Local Media
 - 002 - CT Statewide
 - 003 - Government
 - 004 - Local & Government (Lists 001 & 003)
 - 005 - All lists (Lists 001, 002, & 003)
6. **WHEN** all lists or destination numbers have been entered, press the **pound key (#)**.
7. **Wait for the fax tone and press start** on the fax machine
8. When the document starts going through the fax machine, hang up the receiver.
9. For help, call the SNET FAXWORKS Customer Service Department at 1-800-345-4329.

Section E: Directions To Facilities

Millstone Information and Science Center

- From I-95 North:** In Lyme, take Exit 72 (Rocky Neck Connector) and turn left onto Route 156 eastbound. Go 3 miles to Niantic Center. The Millstone Information Center is the brick building on the right.
- From I-95 South:** In Niantic, take Exit 74 (Niantic). Turn right onto Route 161 southbound. Go 4 miles to Niantic Center. Turn right onto Route 156 westbound. The Millstone Information Center is the brick building on the left.
- From Rt 2 South:** In Colchester, take Route 11 southbound to the end. Turn left onto Route 82 eastbound. Go 1 mile, turn right onto Route 85 southbound. Go 5 miles and bear right at traffic light onto Route 161 southbound. Go 8 miles to Niantic Center. Turn right onto Route 156 westbound. The Millstone Information Center is the brick building on the left.

NU General Offices

- From I-91 South:** In Hartford, take Exit 28 to Route 5-15 southbound (Berlin Turnpike). Go about 9 miles to Selden Street (just over Newington-Berlin town line). Turn left and follow the signs to the visitor parking area.
- From I-91 North:** In Cromwell, take Exit 22 to Route 9 northbound. Go about 2 miles and take exit for Route 5-15 northbound (Berlin Turnpike). Go about 2 miles to Selden Street (just before Newington-Berlin town line). Turn right and follow the signs to the visitor parking area.
- From I-84 E or W:** In New Britain, take Exit 35 to Route 72 eastbound. Go about 3 miles and take exit for Route 5-15 northbound (Berlin Turnpike). Follow the directions above.
- From I-84 West:** In New Britain, take Exit 35 to Route 72 eastbound. Go about 3 miles and take exit for Route 5-15 northbound (Berlin Turnpike). Follow the directions above.

State EOC/Hartford Armory

- From I-91 North:** In Hartford, take I-84 West; see below.
- From I-91 South:** In Hartford, take I-84 West; see below.
- From I-84 West:** Take Asylum Street exit. Turn right at end of exit. Take first left onto Broad Street (in front of YWCA). The Hartford Armory is on the left, across from the Hartford Courant.
- From I-84 East:** Take Capitol Avenue exit. Turn right at end of exit. Take first right into parking area. The Hartford Armory is directly ahead on the left; the parking garage is on the right.

Go in the entrance at the ground level of the east side of the building. Go straight down the passageway to the end. The Joint Media Center and Connecticut Office of Emergency Management are on the right.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-013 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GD01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ If Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	D. Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. SV(?)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	K. Burgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	Steve Hock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. SV	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	D. Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	K. Burgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Manager of Communications (MOC)

This form provides guidance to the MOC for emergency response actions during events that activate the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Maintain a log of significant events and communications on the SERO Log Sheet.

NOTE

ERDS activation is not required for a Unit 1 event.

- ☐ 3. Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and perform the following:
 - a. Contact IT Operations in Wethersfield.
 - b. Verify ERDS is operational and configured for the affected unit.

NOTE

The computer operator or Network Control Technician on duty in the Wethersfield Data Center may request the following code phrase when directed to activate the ERDS.

Code 1: Nuclear Emergency
Code 2: Nuclear Exercise
Code 3: Nuclear Drill
Code 4: Millstone or NRC Request

- c. IF requested, provide the applicable code phrase for the event.
- ☐ 4. Access OFIS in accordance with EPI-FAP15-006, "OFIS Instructions."

Section A: Initial Actions

NOTE

The control room should be relieved of NRC ENS communication responsibilities as soon as possible. Relief shall be verbal, clear, and direct.

For a Unit 1 event, the NRC ENS communicator is located in the Unit 2 control room.

- ☐ 5. IF ready to conduct a turnover with the affected unit control room, perform the following:
 - a. Ensure the DSEO has completed turnover with the control room.
 - b. Obtain a copy of the most current NRC Event Notification form from the control room.
 - c. Discuss status of current communications and inquires with the SDO.
 - d. Request the SDO inform the NRC that ENS responsibilities are being transferred and communications will be interrupted briefly during turnover.
 - e. Request the SDO hang up ENS phone after the NRC has been informed.
 - f. Relieve the affected unit control room of ENS responsibilities.
 - g. Establish communications with the NRC Operations Center via the ENS line.
 - h. WHEN communications have been established, notify the control room that communication responsibilities with the NRC Emergency Operations Center have been assumed by the MOC.
 - i. Record the time of relief in the MOC logbook.
- ☐ 6. During communications with the NRC via the ENS phone, perform the following:
 - Describe events, conditions, and other pertinent information related to the emergency.
 - Notify NRC of any §50.54(x) actions being invoked.
 - Discuss plant parameter data listed on OFIS plant parameter data forms.
 - Determine frequency at which plant information should be passed to NRC (usually about every 15 minutes).

Section A: Initial Actions

- ☐ 7. Obtain additional information requested by the NRC.
 - a. Notify the TIC of specific plant parameters requested which are *not* available on OFIS.
 - b. Refer To Section E, "Emergency Notification System NRC Data Sheet," and provide requested parameters to the TIC.
 - c. Fax or verbally transmit data to the NRC Emergency Operation Center and NRC Region One Incident Response Center.
 - d. Direct the TIC to update the Critical Parameters status board with additional parameters.
- ☐ 8. IF the NRC requests information other than plant parameter data or plant conditions, consult with the following.
 - IF questions are radiological in nature, direct questions to MRDA.
 - IF questions are specific to plant conditions, direct question to ADTS.
- ☐ 9. Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify INPO Emergency Preparedness Duty Officer of event in progress.

Section B: Recurring Actions

- ☐ 1. IF NRC requests information other than plant parameters, plant conditions and EOPs in use, notify the ADEOF.
- ☐ 2. IF unable to obtain plant parameter data from OFIS, perform the following:
 - Request the TIC provide the plant parameter data approximately every 15 minutes or as significant changes in the data occur.
 - Provide the data to NRC.
- ☐ 3. Refer To Section D, "Emergency Notification System NRC Data Sheet," and update, as necessary.
- ☐ 4. Coordinate continuous communications between SERO and NRC.
- ☐ 5. IF requested, FAX the OFIS plant parameter data sheets to the NRC Emergency Operations Center and the NRC Region 1 Incident Response Center.

Section B: Recurring Actions

- ☐ 6. Request communications assistance from the following, as necessary:
- TIC
 - CRDC
 - ADTS
 - ADEOF
 - MRDA
 - Shift Technician
- ☐ 7. IF the NRC provides information regarding NRC Site Team, provide information to the ADEOF, MOR, and Regulatory Liaison for coordination of NRC Site Team logistics.

Section C: Termination Actions

- ☐ 1. WHEN SERO termination is directed by DSEO, perform the following:
- Transmit SERO status to NRC via ENS.
 - Record SERO termination in MOC Logbook.

NOTE

ERDS activation is not required for a Unit 1 event.

- Request IT Operations in Wethersfield terminate the ERDS connection.

Prepared by: _____

Signature

Print

Date

Section D: Emergency Notification System NRC Data Sheet

(Use additional sheets as necessary.)

INFORMATION REQUESTED (date/time):
INFORMATION PROVIDED (date/time):
INFORMATION REQUESTED (date/time):
INFORMATION PROVIDED (date/time):
INFORMATION REQUESTED (date/time):
INFORMATION PROVIDED (date/time):

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-014 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SO. 54(g)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54(g)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.:

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Technical Information Coordinator (TIC)

This form provides guidance to the TIC for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify DSEO of arrival and obtain event conditions and status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.

NOTE

For a Unit 1 event, the Unit 2 and Unit 3 CRDCs report to the Unit 1 control room.

- ☐ 4. Establish communications via the Operations Net with CRDC, TSC-SM, and State EOC Technical Assistant and perform the following:
 - a. Determine the event conditions and status.
 - b. Ensure the EOF clocks are synchronized with the plant process computer.
 - c. Instruct the CRDC to maintain a chronology of major control room actions, including ONP and EOP procedures on the OFIS screen A14 (Bulletin Board).
- ☐ 5. Record the names of the CRDCs on EOF Staffing Board.
- ☐ 6. Access OFIS per EPI-FAP15-006, "OFIS Instructions."

Section B: Subsequent and Recurring Actions

- ☐ 1. Direct actions of the other TIC, as necessary.
- ☐ 2. Monitor the Operations Net and provide input or request clarification, as necessary.
- ☐ 3. Review EPI-FAP06 for EAL initiating conditions and determine Fission Product Barrier Status and track possible paths to escalation.
- ☐ 4. Notify the DSEO and the ADEOF of potential changes to emergency classification or plant conditions which may affect PARs.

Section B: Subsequent and Recurring Actions

- ☐ 5. Provide DSEO and ADEOF with the following event updates:
 - Procedures in use (e.g. EOPs, AOPs, etc.)
 - Changing plant parameters
 - Fast-breaking events
 - Barrier Status (i.e. Barriers failed or potential for failure)

- ☐ 6. IF the ADEOF or SERO Managers request plant parameter data *not* available on OFIS, perform the following:
 - a. Record Description/Plant ID of requested data on EPI-FAP15-004, "Plant Parameter Data Requested/Provided."
 - b. Notify affected unit CRDC of the data requested and obtain data via telephone, fax machine, or manually (data screen entry).
 - c. Provide data to the individual who made the request.

- ☐ 7. IF OFIS is operable, maintain the Critical Parameters status board and inform the DSEO approximately every 15 minutes or as significant changes occur.

- ☐ 8. IF OFIS is inoperable, perform the following:
 - a. Obtain data verbally from the CRDC and record it on one of the following, as applicable:
 - EPI-FAP15-007, "Critical Parameter Data Sheet - MP1"
 - EPI-FAP15-008, "Critical Parameter Data Sheet - MP2"
 - EPI-FAP15-009, "Critical Parameter Data Sheet - MP3"
 - b. Maintain and update the Critical Parameters status board at 15 minute intervals.
 - c. Consult with personnel on the Operations Net and determine if additional data is required.
 - Obtain requested data from the CRDC and record on applicable Critical Parameter Data Sheet.
 - Provide the completed form to the requestor.
 - Update changing plant parameter data and provide data to requestor approximately every 15 minutes or until no longer requested.

Section B: Subsequent and Recurring Actions

- ☐ 9. Provide technical assistance to the following, as requested:
- DSEO
 - MOC
 - TA
 - MPI
 - Other SERO Managers
- ☐ 10. Maintain and update the Chronology of Key Events status board and Critical Parameters status board as significant events occur.
- ☐ 11. Provide recommendations for shift relief to the MOR, as requested.

Section C: Termination Actions

- ☐ 1. WHEN SERO termination is directed by the DSEO, perform the following:
- Terminate OFIS.
 - Record SERO termination in TIC Logbook.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-015 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓/Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
SD, S4(q)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, S4(q)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/29/00	<input type="checkbox"/>	<input type="checkbox"/>	EPsD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPsD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPsD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/DOC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

EOF Shift Technician (EOF ST)

This form provides guidance to the EOF Shift Technician for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Check ENRS for operability.
- ☐ 2. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 3. Obtain the initial IRF fax and verify off-site notifications were performed.
- ☐ 4. Distribute copy of IRF to ADEOF and DSEO.
- ☐ 5. Update IRF Status board.
- ☐ 6. Notify ADEOF of arrival and obtain event conditions and status.
- ☐ 7. Perform a detailed turnover with the control room ST, including, but not limited to:
 - CV report results
 - IRF status (update sent)
 - Plant conditions (stable, degrading)
 - Control Room turnover status (CR DSEO)
 - ERDS activation status
 - Support needed to page additional resources
 - Assistance requested from offsite agencies (Fire, Ambulance, Police, etc.).
- ☐ 8. Refer To and implement EPI-FAP07, "Notifications and Communications."

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-016 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for R/DAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD. SV(9)	<input checked="" type="checkbox"/>	K. Burgess (less R/DAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD. SV(9)	<input checked="" type="checkbox"/>	D. Alci (for R/DAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Station Emergency Preparedness Representative (SEPR)

This form provides guidance to the SEPR for emergency response actions during events that activate the SERO.

Section A: Initial Actions

- ☐ 1. IF EOF has not been unlocked, Refer To the steps in Section B.
- ☐ 2. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 3. Notify the ADEOF of arrival and obtain a status update.
- ☐ 4. Maintain log of significant events and communications on the SERO Log Sheet.

Section B: Facility Preparations

- ☐ 1. Unlock the Northwest entrance door.
- ☐ 2. Press "LIGHTS ON" pushbutton switch inside EOF entrance.

NOTE

Lighting breakers are in the EOF equipment and ventilation room through the double doors to the right of the kitchen.

- ☐ 3. IF EOF interior lights do not turn on, check appropriate circuit breakers at proper settings and reset the following circuit breakers in EOF Equipment Room, as necessary:
 - "29" in Power Panel "EPP1"
 - "2", "4", "6", "8", and "9" in Power Panel "EPP2"

NOTE

Circuit breakers "34" and "36" in Power Panel "ELP2" are ganged.

- "34" and "36" in Power Panel "ELP2"
- ☐ 4. IF EOF portal monitors are not operational, perform the following:
 - Verify portal monitor control unit power cable is inserted into 115 VAC receptacle beside the portal monitor.

Section B: Facility Preparations

NOTE

A two minute warm-up period is required for proper operation of the portal monitor. The portal monitor radiation alarm may sound during the warm-up period.

- IF radiation alarm sounds, press pushbutton at top of the portal monitor to silence alarm.
- ☐ 5. Ensure all EOF entrance way whole-body friskers (RM-14 or equivalent) are energized and setup as follows:
 - Set "ON/OFF" switch to "ON."
 - Set "RANGE" switch to "X1."
- ☐ 6. Verify the following EOF activation keys are available:
 - Simplex Fire Protection Panel Key
 - Security Office Annunciator Panel Key
- ☐ 7. Adjust EOF PA system volume, as appropriate.
- ☐ 8. Check Simplex Fire Protection Panel and Security Office Annunciator Panel for alarms.
- ☐ 9. IF alarms are activated, perform the following:
 - Acknowledge and attempt to reset alarms.
 - Determine cause of alarms and request corrective assistance, as necessary.
- ☐ 10. IF notified by HP Tech that EOF alarm systems activated during High Radiation Filtration System activation, perform the following:
 - Access the Simplex Fire Protection Panel and Security Office Annunciator Panel.
 - Attempt to reset alarms.
 - Determine cause of alarms and request corrective assistance, as necessary.

Section B: Recurring Actions

- ☐ 1. Assist the DSEO and the ADEOF with EOF operations.
- ☐ 2. IF requested by the MRDA in the absence of the EOF HP Tech, activate the high radiation ventilation filtration system using EPI-FAP15-013.

- ☐ 3. Monitor EOF activities and assist personnel with implementation of procedures, as necessary.
- ☐ 4. Troubleshoot and repair EOF equipment problems as follows:
 - If equipment problem is within immediate capabilities, repair equipment.
 - If equipment problem is not within immediate capabilities, obtain services support through the MOR.
- ☐ 5. Inform the ADEOF of any problems and status of corrective actions for repairing EOF equipment.
- ☐ 6. Assist the EOF staff with questions on implementation of the Emergency Plan or procedures.

MP-26-EPI-FAP04-016
Rev. 000
Page 3 of 3

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP04-017 Rev. No.: 000 Minor Rev.: _____

Title: EOF Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews		Print	Sign	Date	SQR Qualified			✓ # Comments
					Yes	No	Dept.	
Validation	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/12/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
SD, S4(g)	<input checked="" type="checkbox"/>	K. Burgess (less RDAT)	KBurgess	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Validation	<input checked="" type="checkbox"/>	Steve Hock	SHock	10/3/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	M. Maryeski	9/19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SD, S4(g)	<input checked="" type="checkbox"/>	D. Alci (for RDAT)	Dan Alci	9/27/00	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/>	K. Burgess / D. Alci	KBurgess / D. Alci	9/13/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Regulatory Liaison

This form provides guidance to the Regulatory Liaison for emergency response actions during an event that activates the SERO.

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify the ADEOF of arrival and obtain event conditions and status update.
- ☐ 3. Check workstation telephone for operability.
- ☐ 4. Maintain a log of communications and requests.

Section B: Preparations for Site Team Arrival

- ☐ 1. WHEN informed that the NRC Site Team will be dispatched to the station, perform the following:
 - a. Using a commercial telephone, establish communications with the NRC Regional Office and request the names, positions, and estimated time of arrival of the NRC Site Team.
 - b. Record the names and positions of the NRC Site Team members in Section D.
 - c. Request the NRC Site Team report to the EOF for site access processing and an initial briefing.
- ☐ 2. Arrange site access for the NRC Site Team with the MOS.
- ☐ 3. Arrange for NRC Site Team transportation to the TSC/OSC or control room with the MOR.

NOTE

The NRC Site Team will usually carry dosimetry with them.

- ☐ 4. Arrange for NRC Site Team dosimetry with the MRCA.
- ☐ 5. Refer To Section D and confer with the ADEOF and ADTS to identify SERO counterparts for the NRC Site Team members.

Section B: Preparations for Site Team Arrival

- ☐ 6. Compile the following for the NRC Site Team:
 - All issued IRFs obtained from the ADEOF.
 - All issued News Releases obtained from the MPI.
 - All issued EAS messages obtained from the MPI.

- ☐ 7. Develop an initial briefing for the NRC Site Team with the DSEO and ADEOF as follows:
 - Refer to EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," for topic outline and information.
 - Obtain specific information on the status of safe shutdown equipment.
 - Obtain specific information on the status of core cooling.
 - Obtain specific information on the status of heat removal processes.
 - Obtain specific information on any signs of tampering or sabotage.
 - Obtain specific information on in-plant or containment radiological conditions.
 - Obtain specific information on dose consequences of effluent releases.
 - Site access provisions and routes.
 - Counterpart names and locations (Section D)
 - Any other personnel or plant relative issues.

Section C: NRC Site Team Support

- ☐ 1. When the NRC Site Team arrives, perform the following:
 - a. Direct the NRC Site Team to the EOF NRC conference area to obtain a briefing.
 - b. Provide copies of the IRFs, News Releases, and EAS messages to the Team.

- ☐ 2. Inform the DSEO when the NRC Site Team is ready for the initial briefing.

- ☐ 3. Perform periodic inquiries of NRC counterparts and determine if the following NRC needs are adequate:
 - Facility workstations (phones, power outlets, seating, etc.)
 - Information flow and availability.
 - Other requests.

Section C: NRC Site Team Support

- ☐ 4. Attend any meetings held with the NRC Site Team and document the following:
 - Briefing topics and discussions.
 - NRC requests for information or actions.
- ☐ 5. Maintain a current status of action items from NRC discussions.
- ☐ 6. Advise the ADEOF or ADTS of any actions which will not be completed by the due date or time.

Prepared by: _____

Signature

Printed Name

Date

Section D: NRC Site Team Composition

The following table represents the expected makeup of the NRC Site Team. Actual team composition may vary.

EOF

NRC Position	NRC Name	NRC Telephone	SERO Counterpart	SERO Name	SERO Telephone
Director of Site Operations (DSO)			Director of Station Emergency Operations (DSEO)		
Reactor Safety Coordinator (RSC)					
Assistant Reactor Safety Coordinator					
RSCL Communicator					
Government Liaison Coordinator (GLC)			CT DEP Representative		
Assistant Government Liaison Coordinator					
Status Summary Communicator					
Public Affairs Coordinator					
Emergency Response Coordinator			Manager of Resources (MOR) or Regulatory Liaison		
Communications Specialist					
Protective Measures Coordinator (PMC)			Assistant Director EOF (ADEOF)		
Assistant Protective Measures Coordinator					
Environmental Assessment Coordinator			Manager of Radiological Dose Assessment (MRDA)		
Dose Assessor			Radiological Assessment Engineer (RAE)		
HPN Communicator			Asst Manager of Radiological Dose Assessment (AMRDA)		
PMCL Communicator					

Section E: NRC Site Team Composition

The following table represents the expected composition of the NRC Site Team. Actual team composition may vary.

TSC

NRC Position	NRC Name	NRC Telephone	SERO Counterpart	SERO Name	SERO Telephone
Reactor Safety Operations Coordinator (RSOC)			Assistant Director Technical Support (ADTS)		
Reactor Systems Operational Specialist			Manager TSC (MTSC)		
Radiation Safety Coordinator			Mgr of Rad Consequences Assessment (MRDA)		
RSCL Communicator					
PMCL Communicator					
Senior Resident Inspector					

OSC

Health Physics Coordinator			Assistant Rad Protection Supervisor (ARPS)		
----------------------------	--	--	--	--	--

Control Room

Resident Inspector					
--------------------	--	--	--	--	--

State EOC

State EOC Coordinator			CT OEM Director		
Public Affairs Coordinator			Executive Spokesperson or Nuclear News Manager		
Technical Briefer			Technical Briefer		

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> <u>M. Birch S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	<input checked="" type="checkbox"/>
Writer's Guide	<input checked="" type="checkbox"/> <u>M. Maryeski</u>	<u>M. Maryeski</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SPG</u>	<input checked="" type="checkbox"/>
<u>SO.54(q)</u>	<input checked="" type="checkbox"/> <u>S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
RCD	<input checked="" type="checkbox"/> <u>M. Birch S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
Independent	<input checked="" type="checkbox"/> <u>S. Mazzola M. Birch</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RVDH Final Review and Approval

S. Mazzola 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

**Functional
Administrative
Procedure**



**State Emergency Operations Center (EOC)
Activation and Operation**

MP-26-EPI-FAP05

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

Table of Contents

1. PURPOSE	
1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	2
2. INSTRUCTIONS	4
3. SUMMARY OF CHANGES	5
3.1 Original issue	5
4. ATTACHMENTS AND FORMS	
Attachment 1 Definitions And Abbreviations	6
Attachment 2 Responsibilities	7
MP-26-EPI-FAP05-001, "Executive Spokesperson (ES)"	
MP-26-EPI-FAP05-002, "Technical Assistant (TA)"	
MP-26-EPI-FAP05-003, "Nuclear News Manager (NNM)"	
MP-26-EPI-FAP05-004, "Rumor Control Liaison (RCL)"	
MP-26-EPI-FAP05-005, "Media Center Liaison (MCL)"	
MP-26-EPI-FAP05-006, "Technical Briefer (TB)"	
MP-26-EPI-FAP05-007, "Radiological Briefer (RB)"	
MP-26-EPI-FAP05-008, "State Emergency Planning Liaison (SEPL)"	

1. PURPOSE

1.1 Objective

This procedure provides guidance to Station Emergency Response Organization personnel who report to the Connecticut State Emergency Operations Center (SEOC) during an event. Activation of the Millstone SERO at the SEOC is initiated upon declaration of an ALERT/Posture Code Charlie-One or higher event.

1.2 Applicability

Activation of the State EOC is optional upon declaration of an Alert, Posture Code Charlie-One.

Activation of the State EOC upon declaration of a Site Area Emergency or higher classification.

1.3 Supporting Documents

EPI-FAP04, "Emergency Operations Facility Activation and Operations"

EPI-FAP13, "Press Releases"

EPI-FAP15, "Common Forms"

EPUG-08B, "Millstone Emergency Plan Resource Book"

1.4 Discussion

1.4.1 SEOC and JMC Activation

At the ALERT or higher classification level:

- All State Emergency Operations Center (SEOC) SERO positions report to the state Armory in Hartford.
- The Executive Spokesperson (ES) is the lead Millstone Station SERO member at the SEOC.
- The Nuclear News Manager (NNM) reports to the ES and directs the overall Millstone public information response. The NNM serves as the official spokesperson until relieved by the ES.

For events that do not require facility activation, the NNM makes the initial Corporate, government, and media notifications, and coordinates all public information activities. The NNM also performs the non-emergency function of responding to media inquiries on weekends and after normal working hours.

1.4.2 News Conferences

News conferences are the responsibility of the State of Connecticut, and are coordinated through the Office of Emergency Management. They will be attended by the ES and/or appropriate members of the Millstone SERO as determined by the ES.

1.4.3 Definitions and abbreviation are contained in Attachment 1. Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Refer To and complete the following forms, as applicable:

NOTE

The steps in the checklists may be performed in any order, or more than once, as necessary.

- EPI-05-01, "Executive Spokesperson (ES)"
- EPI-05-02, "Technical Assistant (TA)"
- EPI-05-03, "Nuclear News Manager (NNM)"
- EPI-05-04, "Rumor Control Liaison (RCL)"
- EPI-05-05, "Media Center Liaison (MCL)"
- EPI-05-06, "Technical Briefer (TB)"
- EPI-05-07, "Radiological Briefer (RB)"
- EPI-05-08, "State Emergency Planning Liaison (SEPL)"

2.2 IF an action is not appropriate under existing conditions or was not necessary for the event, enter N/A when completing documentation for submittal.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 1)

Definitions

Regular Intervals - Every 30 minutes

Represent - To act in place of

Abbreviations

ADEOF - Assistant Director EOF

CRDC - Control Room Data Coordinator

DEP - Department of Environmental Protection

DSEO - Director of Station Operations

EAL - Emergency Action Level

EAS - Emergency Alert System

ES - Executive Spokesperson

IRF - Incident Report Form

JMC - Joint Media Center

KI - Potassium Iodide

NCS - Nuclear Communication Services

NNM - Nuclear News Manager

PAR - Protective Action Recommendation

PIO - Public Information Officer

TA - Technical Assistant

TIC - Technical Information Coordinator

OEM - Office of Emergency Management

SEOC - State Emergency Operating Center

Attachment 2 Responsibilities

(Sheet 1 of 2)

The following positions make up the public information emergency organization:

1. Executive Spokesperson (ES)

The Executive Spokesperson reports to the Director of Station Emergency Operations and is responsible for the following:

- Coordinates Millstone Station staff resources at the State EOC and Joint Media Center
- Interacts with the State ERO
- Represents the station and company at briefings with the Governor or designee
- Presents information on plant status at media briefings and news conferences

2. Nuclear News Manager (NNM)

The Nuclear News Manager reports to the ES and is responsible for the following:

- Event notifications
- Serves as Millstone Station spokesperson, prior to the arrival of the Executive Spokesperson
- Media response
- Finalizes and issues news releases
- Prepares Millstone Station officials for news conferences
- Rumor and inquiry control
- Monitors media
- Corporate internal communications
- Coordinates public information activities with the Governor's Press Office and State Public Information Officers

3. Technical Assistant (TA)

The Technical Assistant reports to the Executive Spokesperson and is responsible for the following:

- Obtains technical information from the site
- Operates OFIS in the SEOC
- Interfaces with the State DEP, as necessary
- Serves as backup to the ES in communications with the DSEO and logkeeping

Attachment 2 Responsibilities

(Sheet 2 of 2)

4. Manager of Public Information (MPI)

The Manager of Public Information reports to the EOF following notification of an Alert or higher classification event and is responsible for developing news releases for DSEO approval for NNM release to media.

5. Media Center Liaison (MCL)

The Media Center Liaison reports to the NNM at the SEOC and coordinates with the State Public Information Officer (PIO) and is responsible for:

- Assists with the operation of the Joint Media Center
- Responds to media inquiries
- Supervises Millstone Station technical and radiological briefing personnel in the JMC

6. Rumor Control Liaison (RCL)

The Rumor Control Liaison reports to the NNM at the SEOC and is responsible for coordinating with the State Public Information Officer to assist with the operations of the Joint Rumor and Inquiry Control Center.

7. Technical Briefer (TB)

The Technical Briefer reports to the Media Center Liaison at the Hartford Armory and is responsible for providing technical plant-specific information to the media between official news conferences.

8. Radiological Briefer (RB)

The Radiological Briefer reports to the Media Center Liaison at the Hartford Armory and is responsible providing radiological information to the media between official news conferences.

9. State Emergency Planning Liaison (SEPL)

The State EP Liaison responds to the SEOC and reports to the ADEOF. The State EP Liaison is responsible for providing a direct interface to the State OEM for technical questions and information.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-001 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> M. Birch S. Mazzola	<i>SPERMACK</i>	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO.54(y)	<input checked="" type="checkbox"/> S. Mazzola	<i>SPERMACK</i>	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> M. Birch S. Mazzola	<i>SPERMACK</i>	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> S. Mazzola M. Birch	<i>SPERMACK</i>	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

SPERMACK 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Executive Spokesperson (ES)

This form provides guidance to the Executive Spokesperson (ES) for emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Establish continuous communications with the DSEO upon arrival at SEOC.
- ☐ 2. Consult with the NNM to confirm JMC activation at SEOC and status of the latest news and public information releases.
- ☐ 3. Ensure the TA is present and in communication with the TIC, and OFIS information is available.

NOTE

The Executive Spokesperson has access to site information from the following sources:

- OFIS (via Technical Assistant)
- TIC (via Technical Assistant)
- NNM
- DSEO via EOF conference calls

- ☐ 4. Verify DEP and OEM representatives are aware of all EAL classifications and bases and on major/key status events.
- ☐ 5. Obtain information on event and coordinates with the NNM to issue press releases and conduct press briefings.
- ☐ 6. Verify adequate staff is present at the SEOC and report status to the DSEO.
- ☐ 7. Begin and maintain a log of actions and decisions.
- ☐ 8. Conduct an initial briefing to all staff on status and priorities.

Section B: Recurring Actions

- ☐ 1. Verify TA maintains current information on the following:
- Status reports on the plant and safety systems
 - Event classification basis and projections
 - Actions taken at the site (i.e., evacuation, Potassium Iodide usage, etc.)
 - Radioactive releases, imminent, ongoing, or terminated

NOTE

PARs will be communicated directly from the DSEO to the DEP. A PAR must be issued with a GENERAL EMERGENCY declaration.

A classification of GENERAL EMERGENCY shall include a PAR.

- ☐ 2. Obtain bases for event classifications and PARs from the DSEO immediately after the PAR has been communicated.
- ☐ 3. Notify DSEO of State Protective Action Decisions.
- ☐ 4. Attend briefings conducted by the Governor and discusses plant status and prognosis.
- ☐ 5. Consult NNM on latest news and public information releases.
- ☐ 6. Brief staff periodically on status and priorities.
- ☐ 7. Assist DEP and OEM in obtaining any other event information.
- ☐ 8. Direct the TA to maintain S logs, if needed.

Prepared by: _____

Signature

Print

Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757Document No.: MP-26-EPI-FAP05-002 Rev. No.: 000 Minor Rev.: _____Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See CommentsActivity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEVEN M. GIL	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M. Maryeski	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO.54(4)	<input checked="" type="checkbox"/> S. Mazzola	STEVEN M. GIL	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEVEN M. GIL	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> S. Mazzola M. Birch	STEVEN M. GIL	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ NoEnvironmental Review Required ☐ Yes ☒ No1. ☐ SQR Program Final Review and ApprovalApproval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PRC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Technical Assistant (TA)

This form provides guidance to the Technical Assistant (TA) for emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Upon arrival at the SEOC, notify Executive Spokesman.
- ☐ 2. Verify availability of OFIS and Refer To EPI-FAP15-006 "OFIS Instructions" and log onto OFIS.
- ☐ 3. Access and monitor the OPs Net using the posted job aid instructions.
- ☐ 4. Refer to EPUG 08B, "Millstone Emergency Preparedness Resource Book," as necessary, and obtain additional information by phone the TIC at the EOF.

Section B: Recurring Actions

- ☐ 1. Provide plant status and parameters obtained from OFIS or the TIC or CRDC, at regular (30 minute) intervals to the ES.
- ☐ 2. Provide projections of event classifications and basis.
- ☐ 3. Provide actions taken at the site, such as PADs, i.e., evacuation, KI usage.
- ☐ 4. Provide information on radioactive releases imminent, ongoing, or terminated.
- ☐ 5. IF plant conditions change, Refer To EPI-FAP15-001 "DSEO/ADTS Briefing Sheet"
- ☐ 6. Maintain Executive Spokesperson logbook, as directed.
- ☐ 7. Monitor OFIS data points, as requested, Refer To Section C, "Specific Parameter Monitoring," and maintain data.

Prepared by: _____

Signature

Print

Date

Section C: Specific Parameter Monitoring

Parameter	OFIS Code	Time	Time	Time	Time	Time	Time

NOTES:

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05 - 003 Rev. No.: 000 Minor Rev.:

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> <u>M. Birch</u> <u>S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	<input checked="" type="checkbox"/>
Writer's Guide	<input checked="" type="checkbox"/> <u>M. Maryeski</u>	<u>M. Maryeski</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SPG</u>	<input checked="" type="checkbox"/>
<u>SO. S4(4)</u>	<input checked="" type="checkbox"/> <u>S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
RCD	<input checked="" type="checkbox"/> <u>M. Birch</u> <u>S. Mazzola</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
Independent	<input checked="" type="checkbox"/> <u>S. Mazzola</u> <u>M. Birch</u>	<u>STERMACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/FOIC/R/DH Final Review and Approval

STERMACK 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Nuclear News Manager (NNM)

This form provides guidance to the Nuclear News Manager (NNM) for emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

NOTE

Before the Executive Spokesperson arrives at the SEOC, the NNM represents the Millstone during Governor's briefings and news conferences.

Media notifications for UNUSUAL EVENTS (Delta-One or Delta-Two) that occur between the hours of 10:00 p.m. and 7:00 a.m. may be made the following morning.

- ☐ 1. IF there is an UNUSUAL EVENT perform the following actions:
 - Contact the Station Duty Officer in the affected unit Control Room for information.
 - Refer to EPI-FAP13 Attachments for UNUSUAL EVENT Sample News Releases.
 - Complete, approve, and issue a news release.
- ☐ 2. Upon arrival at the SEOC for events at an Alert or higher, notify the ES and State Officials of NNM presence in State EOC.

NOTE

A spare key to the Millstone Public Information locker in the State EOC is located at the NNM desk.

- ☐ 3. Verify dedicated phone lines to the EOF MPI are operational.
- ☐ 4. Coordinate activation of the Joint Media Center and Rumor and Inquiry Control Center with the Governor's Press Secretary, or designee.
- ☐ 5. Establish electronic mail (e-mail) contact with the MPI at the EOF.
- ☐ 6. Refer To Section D and establish connection with the Corporate voice mail, using NPADO/LEVEL1 (ID/PSWD), and establish connection with Corporate electronic mail.
- ☐ 7. Maintain a log of significant events and communications.

Section B: Recurring Actions

- ☐ 1. Coordinate the following with the MPI:
- Preparation of news release using EPI-FAP13, "News Releases and Rumor Control."
 - Review and approval of news release with the ADEOF and DSEO.
 - Coordination of issuance of news release with both the ES and the Governor's public information staff.
 - Distribution of news release using the preprogrammed fax machine as follows:
 - ⇒ Local Media
 - ⇒ CT State Media
 - ⇒ Government
 - ⇒ Local & Government
 - ⇒ All Lists
 - Utilization of EPI-FAP13, "News Releases and Rumor Control," to handle rumors received at the Joint Rumor and Inquiry Control Center.
 - If the Joint Media Center has not been activated, Refer To EPUG-08B and provide the Associated Press (AP) with a "1-800" phone number to assist the news media in contacting the NNM for verification of current information.

NOTE

If JMC is not available, utilize the Millstone Information and Science Center or Corporate Headquarters as an alternate media center.

- ☐ 2. Supervise Millstone operations at the JMC and Rumor and Inquiry Control Center, as necessary.

NOTE

Section C, "Message Guidance for Notifications," is used only as guidance for providing information on the event.

- ☐ 3. Refer To Section C and provide information on the event to Customer Services via the preprogrammed fax machine.

Section B: Recurring Actions

- ☐ 4. Coordinate with the State Media Center Supervisor to obtain media (radio and TV) reports and immediately correct information, as necessary.
- ☐ 5. Fax approved/distributed State news release and EAS messages to the MPI at the EOF.

Prepared by:

Signature

Print

Date

Section C: Message Guidance for Notifications

Customer Service Organization (Customer Service representative will fill out similar checklist)

An emergency, classification level

☐ Alert (or)

☐ Site Area Emergency (or)

☐ General Emergency

has been declared at the Millstone Nuclear Power Station.

☐ A local media center is being established at the

as a single source of information during the emergency. Members of the media should direct their requests for information to the local media center.

(or)

☐ A Joint Media Center is being established at the State EOC in the Hartford Armory as the single source of information during the emergency. Members of the media should direct their requests for information to the Joint Media Center.

Telephone Numbers

☐ have been established. (or)

☐ will be established shortly for the media and the public to call with their inquiries.

"I am calling to let you know that an emergency has been declared at the Millstone Nuclear Power Station in Waterford. Specialists from the station are working to correct the plant's condition. State, local, and federal officials have been notified."

See current news release(s) for details on event, if necessary.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-004 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ M Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> <u>M. Birch S. Mazzola</u>	<u>STERE MACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EP30</u>	<input checked="" type="checkbox"/>
Writer's Guide	<input checked="" type="checkbox"/> <u>M. Maryeski</u>	<u>M. Maryeski</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SPG</u>	<input checked="" type="checkbox"/>
<u>SO.54(g)</u>	<input checked="" type="checkbox"/> <u>S. Mazzola</u>	<u>STERE MACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EP30</u>	
RCD	<input checked="" type="checkbox"/> <u>M. Birch S. Mazzola</u>	<u>STERE MACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EP30</u>	
Independent	<input checked="" type="checkbox"/> <u>S. Mazzola M. Birch</u>	<u>STERE MACK</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EP30</u>	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

STERE MACK 9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Rumor Control Liaison (RCL)

This form provides guidance for Rumor Control Liaison emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Report to the Nuclear News Manager at the SEOC in the State Armory in Hartford.
- ☐ 2. Receive a briefing from the NNM or ES on the status of events up to that time.
- ☐ 3. Review issued news statements for information previously released.
- ☐ 4. Introduce self to the State Rumor Control Officer.

Section B: Recurring Actions

NOTE

The Rumor Control Liaison has access to information from the following sources:

- Nuclear News Manager – overall corporate and station response
- Technical Assistant – technical information regarding the progress of events
- Technical Briefer – background information on plant systems and equipment
- Radiological Briefer – background radiological information
- Approved news releases of bulletins from any JMC source
- Media Manual information
- “A Guidebook for Our Neighbors” (public information brochure)

- ☐ 1. Assist the State Rumor Control Officer with inquiries to look for Millstone-related trends and repeated rumors,.
- ☐ 2. Complete a ‘Trend Information Report’ for each trend identified and bring these Millstone-related rumor trends to the attention of the Nuclear News Manager for follow-up.

Section B: Recurring Actions

- ☐ 3. Perform the following when responding to telephone calls received by State Rumor Control staff:
- Provide information that has been officially released or approved by the EOF DSEO.
 - IF questioned on plant status, provide the latest news release information.
 - IF questioned on injured plant personnel and injury information is verified, confirm injuries have occurred.
 - IF questioned by employee family members, request caller's name and relationship to the employee.
 - ⇒ Provide assurance to caller that everything is being done to protect plant personnel and emergency responders.
 - ⇒ Notify caller that emergency responders will call home when they get the opportunity.

Prepared by:

Signature

Print

Date

Section C: Trend Identification Report

☐ Complete if a trend is occurring.

Date: _____

Time Identified: _____

Number of Calls/Inquiries on Subject: _____

Sources of Inquiries: Public _____ Local Officials _____ Media _____

Summary of Rumor Trend: _____

Recommended Action: _____

Submitted By: _____

Acknowledged By: _____

Rumor and Inquiry Control Liaison

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-005 Rev. No.: 000 Minor Rev.:

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDU1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	<u>M. Birch S. Mazzola</u>	<u>SPG</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	<u>✓</u>
Writer's Guide <input checked="" type="checkbox"/>	<u>M. Maryeski</u>	<u>M. Maryeski</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SPG</u>	<u>✓</u>
<u>SO.54(g)</u> <input checked="" type="checkbox"/>	<u>S. Mazzola</u>	<u>SPG</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
RCD <input checked="" type="checkbox"/>	<u>M. Birch S. Mazzola</u>	<u>SPG</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	
Independent <input checked="" type="checkbox"/>	<u>S. Mazzola M. Birch</u>	<u>SPG</u>	<u>9/21/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSD</u>	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

SPG 9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Media Center Liaison (MCL)

This form provides guidance for Media Center Liaison emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Report to the Nuclear News Manager at the SEOC at the State Armory in Hartford.
- ☐ 2. Receive a briefing from the NNM on the status of events up to that time.
- ☐ 3. Review issued news statements for information previously released.
- ☐ 4. Introduce self to state Media Center Supervisor.

Section B: Recurring Actions

- ☐ 1. Attend formal news briefings and stand at the back of the JMC.
- ☐ 2. Support state Media Center Supervisor.
- ☐ 3. Act as facilitator to field generic technical and radiological questions of the media by directing them to the Technical and Radiological Briefers.
- ☐ 4. Collect notes of questions unanswered by the Executive Spokesperson, the Radiological Briefer, or the Technical Briefer during formal news briefings and one-on-one interviews.
- ☐ 5. Provide these questions to the NNM for follow-up.
- ☐ 6. Coordinate with the Technical and Radiological Briefers to ensure answers obtained via the NNM are provided to the media.
- ☐ 7. Assist the state Media Center Supervisor prepare public information support material at the JMC.
 - Media Manual Distribution (from NNM locked cabinet)
 - Appropriate MP Unit Schematic (with approval of the ES)
 - Check phones and TVs, as requested.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-006 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STERMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M. Maryeski	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO.54(g)	<input checked="" type="checkbox"/> S. Mazzola	STERMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STERMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> S. Mazzola M. Birch	STERMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PCRC/R/DH Final Review and Approval

STERMACK 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Technical Briefer (TB)

This form provides guidance for Technical Briefer emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Report to the Media Center Liaison, or Nuclear News Manager if not available, at the SEOC at the State Armory in Hartford.
- ☐ 2. Receive a briefing from the ES or designee on the status of events up to that time.
- ☐ 3. Review issued news statements for information previously released and focus on the systems and equipment involved, not the progression of accident events or failures involved.

Section B: Recurring Actions

- ☐ 1. Listen to the news briefings from the back of the JMC.
- ☐ 2. IF requested by the Executive Spokesperson, participate in the formal news briefing as facilitated by the Media Center Liaison.
- ☐ 3. Make note of any questions unanswered in the formal news briefing and provide these questions to the Media Center Liaison at the conclusion of the briefing for follow-up.
- ☐ 4. Listen for the systems and equipment mentioned by the Executive Spokesperson and prepare / provide background information on those items to the media.
- ☐ 5. Coordinate with the Media Center Liaison to obtain additional information for unanswered media questions.

Prepared by:

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-007 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEREMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M. Maryeski	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO.54(4)	<input checked="" type="checkbox"/> S. Mazzola	STEREMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEREMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> S. Mazzola M. Birch	STEREMACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date:

12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Radiological Briefer (RB)

This form provides guidance for Radiological Briefer emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Report to the Media Center Liaison, or Nuclear News Manager if not available, at the SEOC at the State Armory in Hartford.
- ☐ 2. Receive a briefing from the ES or designee on the status of events up to that time.
- ☐ 3. Review issued news statements for information previously released and focus on the systems and equipment involved, not the progression of accident events or failures involved.

Section B: Recurring Actions

- ☐ 1. Listen to the news briefings from the back of the JMC.
- ☐ 2. IF requested by the Executive Spokesperson, participate in the formal news briefing as facilitated by the Media Center Liaison.
- ☐ 3. Make note of any questions unanswered in the formal news briefing and provide these questions to the Media Center Liaison at the conclusion of the briefing for follow-up.
- ☐ 4. Listen for the radiological terms mentioned by the Executive Spokesperson and prepare / provide background information on those items to the media.
- ☐ 5. Coordinate with the Media Center Liaison to obtain additional information for unanswered media questions.

Prepared by: _____

Signature

Print

Date

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP05-008 Rev. No.: 000 Minor Rev.: _____

Title: State EOC Activation and Operation

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEVEN MACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M. Maryeski	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO, S&G	<input checked="" type="checkbox"/> S. Mazzola	STEVEN MACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> M. Birch S. Mazzola	STEVEN MACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> S. Mazzola M. Birch	STEVEN MACK	9/21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

STEVEN MACK 9/24/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

State Emergency Planning Liaison (SEPL)

This form provides guidance for State Emergency Planning Liaison emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Notify the State Operations Officer, the NNM, and the ADEOF of your arrival in the SEOC at the State Armory in Hartford.
- ☐ 2. Verify operability of communications equipment between the station and the SEOC.
- ☐ 3. Receive a briefing from the ES on the status of events up to that time.
- ☐ 4. Review issued IRFs and news statements for information previously released.
- ☐ 5. Begin and maintain a log of significant events and activities.

Section B: Recurring Actions

- ☐ 1. Coordinate response actions with the following:
 - State Operations Officer to ensure efficiency of actions.
 - NY SEMO Representative to provide information on station activities.
- ☐ 2. Contact the ADEOF to report on the status of operations at the State EOC and to obtain briefings on the status of activities at the EOF, as necessary.
- ☐ 3. Assist the SEOC staff with questions on implementation of the Emergency Plan or implementing procedures.
- ☐ 4. Attend SEOC staff briefings.
- ☐ 5. Assist State Operations Staff and Millstone personnel to the extent possible.

Prepared by: _____
Signature Print Date

10/11/00

Approval Date

Millstone Unit 1 Emergency Action Levels

12/21/00

Effective Date

UNUSUAL EVENT DELTA ONE		UNUSUAL EVENT DELTA TWO		ALERT CHARLIE ONE		
IN-PLANT RADIATION	SECURITY THREAT/ DESTRUCTIVE PHENOMENA	FIRE / GASES	FUEL POOL EQUIPMENT FAILURE	UNPLANNED OFFSITE RELEASES	JUDGEMENT	CLASSIFICATION
RA1 REACTOR BUILDING RADIATION (D-AA2) 1. Area radiation monitor reading in Reactor Building or survey results indicate an UNCONTROLLED increase in radiation levels by 100 mR/hr that is not the result of a planned evolution. 2. Valid radiation monitor reading or survey results indicate greater than 15 mR/hr in areas required to be occupied 24 hours a day.	TA1 SECURITY EVENT (D-HA1) 1. Intrusion into the Reactor Building by a hostile force. 2. Bomb device discovered in the Reactor Building. TA2 DESTRUCTIVE PHENOMENA (N/A) An event that damages systems, structures, or components within the Reactor Building that may result in overexposure of site personnel or results in an uncontrolled decrease in the spent fuel pool water level or damage to spent fuel.			OA1 EQUIP MALFUNCTION (D-AA1) Unplanned release of radioactivity (liquid or gaseous) to the environment >200 times REMODCM release limit for >15 minutes.	JA1 JUDGEMENT (D-HA2) Any condition for which judgement indicates that the level of safety for the Reactor Building or other areas important for maintaining the integrity of the spent fuel is substantially degraded and which requires Station Emergency Response Organization (SERO) staffing.	ALERT CHARLIE ONE Events are in progress or have occurred which indicate an actual or potential substantial degradation of the level of safety of the plant, to plant personnel, or to the safe containment of fuel in the spent fuel pool.
RU1 REACTOR BUILDING RADIATION (D-AU2) Area radiation monitor reading in Reactor Building or survey results indicate an UNCONTROLLED increase in radiation levels by 25 mR/hr that is not the result of a planned evolution.	TU1 SECURITY EVENT (D-HU1) 1. Bomb device discovered in the Protected Area (PA) or Industrial Security Zone (ISZ). 2. Vehicle crash within the PA or ISZ that could potentially affect equipment needed to maintain spent fuel integrity. 3. Confirmed intrusion within the PA or ISZ. 4. Civil disturbance within the PA or ISZ. 5. Confirmed hostage situation within the PA or ISZ. TU2 DESTRUCTIVE PHENOMENA (D-HU3) 1. Earthquake detected per ONP 514C, Earthquake. 2. Report of tornado striking within the Protected Area or Industrial Security Zone (ISZ). 3. On-Site sustained wind speed >75 mph. 4. Explosion or visible damage to structures, systems, or components within the Protected Area or ISZ with the potential to affect equipment required to maintain the integrity of the spent fuel. 5. Flood Level >19 Feet Mean Sea Level.	GU1 FIRE (D-HU3) Fire in the Reactor Building or other areas important to maintaining the integrity of the spent fuel NOT extinguished within 15 minutes of Control Room notification OR within 15 minutes of the fire alarm actuation in the Control Room. GU2 TOXIC/FLAMMABLE GASES (D-HU3) 1. Life threatening toxic gases OR flammable gas concentrations as identified in C-OP 200.5, "Oil, Hazardous Material, Hazardous Waste and Mixed Waste Contingency Plan," affecting activities in the Reactor Bldg. 2. Notification of a near-site release that may require evacuation of MP1.	EU1 FUEL POOL LEVEL (D-SU1) Uncontrolled decrease in fuel pool level indicated by a low level alarm actuation with all spent fuel assemblies remaining covered by water. EU2 FUEL POOL TEMPERATURE (D-SU1) Uncontrolled heatup of the spent fuel pool such that the bulk pool temperature exceeds 150° F.	OU1 UNPLANNED RELEASES (D-AU1) Effluent monitors in alarm for ≥ 60 minutes OR unplanned, unmonitored, or uncontrolled offsite liquid release ≥ 2 times REMODCM limits for ≥ 60 minutes.	JU1 JUDGEMENT (D-HU2) Any condition for which judgement indicates the potential or actual degradation in the level of safety of the Reactor Building or other areas important to maintaining the integrity of the spent fuel.	UNUSUAL EVENT DELTA TWO OR DELTA ONE Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant.

1
Millstone

C01

MILLSTONE UNIT 2 EMERGENCY ACTION LEVELS

10/11/00
APPROVAL DATE

12/21/00
EFFECTIVE DATE

GENERAL EMERGENCY ALPHA GENERAL EMERGENCY BRAVO SITE AREA EMERGENCY CHARLIE-TWO ALERT CHARLIE-ONE UNUSUAL EVENT DELTA-TWO UNUSUAL EVENT DELTA-ONE

BARRIER FAILURE		LOSS OF POWER		EQUIPMENT FAILURE		OFFSITE RELEASES		CLASSIFICATION				
BG1	ALL THREE BARRIERS	Mode 1, 2, 3, 4	PG1	STATION BLACKOUT	Mode 1, 2, 3, 4	EG1	ATWS/INADEQUATE COOLING	Mode 1	OG1	OFFSITE DOSE	Mode ALL	GENERAL EMERGENCY
See Barrier Failure Reference Table			Loss of Voltage on Buses 24C AND 24D AND ANY of the Following: <ul style="list-style-type: none">Restoration of Power to AT LEAST One Vital Bus is NOT Likely Within Four HoursCore Exit Thermocouple Readings Indicate SuperheatInadequate SG Heat Removal Capability as Indicated by SG Water Level \leq 10% in BOTH SGs AND Inadequate Terry Turbine Feedwater Flow			Functional Recovery of Reactivity Control Ineffective AND EITHER of the Following: <ul style="list-style-type: none">RCS Heat Removal by Steam Generator Heat Removal SFSC Criteria Can NOT Be SatisfiedCore Exit TC Temperature Readings $>$ 800° F			1. MP2 Kaman Vent Monitor Reading \geq 2 μ Ci/cc for $>$ 15 Minutes 2. MP1 Kaman Hi-Range Monitor Reading \geq 2 μ Ci/cc for $>$ 15 Minutes 3. MSL Monitor (RM-4299/A/B/C) Reading \geq 2 R/hr for $>$ 15 Minutes 4. Measured Plume Dose Rate OnSite \geq 1,000 mR/hr for $>$ 15 Minutes 5. Rad Assessment Determines Integrated Dose Offsite \geq 1 Rem TEDE OR \geq 5 Rem CDE Thyroid			ALPHA
BS1	ANY TWO BARRIERS	Mode 1, 2, 3, 4	PS1	STATION BLACKOUT	Mode 1, 2, 3, 4	ES1	ATWS	Mode 1	OS1	OFFSITE DOSE	Mode ALL	SITE AREA EMERGENCY
See Barrier Failure Reference Table			Loss of Voltage on Buses 24C AND 24D $>$ 15 Minutes			Manual Reactor Trip Attempted At Panel C04 AND Reactor Is NOT Shutdown			1. MP2 Kaman Vent Monitor Reading \geq 0.2 μ Ci/cc for $>$ 15 Minutes 2. MP1 Kaman Hi-Range Stack Monitor Reading \geq 0.7 μ Ci/cc for $>$ 15 Minutes 3. MSL Monitor (RM-4299A/B/C) Reading \geq 0.3 R/hr for $>$ 15 Minutes 4. Measured Plume Dose Rate Onsite \geq 50 mR/hr for $>$ 15 Minutes 5. Rad Assessment Determines Integrated Dose Offsite \geq 0.05 Rem TEDE OR \geq 0.25 Rem CDE Thyroid			CHARLIE – TWO
			PS2	LOSS OF DC	Mode 1, 2, 3, 4	ES2	INABILITY TO MAINTAIN HOT S/D	Mode 1, 2, 3, 4				Events in Progress or Have Occurred Which Involve Actual or Likely Major Failures of Plant Functions Needed for Protection of the Public
			Loss of Voltage on DC Buses 201A AND 201B $>$ 15 Minutes			1. No RCS heat Removal Method Meets SFSC Criteria $>$ 15 Minutes AND Shutdown Cooling is NOT In Service 2. RCS Boration Capability Unable to Eliminate Inadvertent Criticality						
						ES3	IN – VESSEL FUEL UNCOVERY	Mode 5, 6				
						Shutdown Cooling Has Been Lost AND ANY of the Following Conditions Exist: <ul style="list-style-type: none">Alternate Methods for Restoring RCS Inventory are NOT EffectiveRVLMS Reading = 0%Core Exit TC Temperature Readings Indicate Superheat						
						ES4	LOSS OF ANNUNCIATORS/TRANSIENT	Mode 1, 2, 3, 4				
						Loss of Most (75%) MCB Annunciators AND BOTH of the Following <ul style="list-style-type: none">Significant Transient in ProgressLoss of SPDS AND ICC Instrumentation						

NOTE: When two or more EALs apply, always choose the EAL of the highest incident classification; also always read from top to bottom in each category.

MILLSTONE UNIT 2 EMERGENCY ACTION LEVELS

<div>GENERAL EMERGENCY ALPHA</div>			<div>GENERAL EMERGENCY BRAVO</div>			<div>SITE AREA EMERGENCY CHARLIE-TWO</div>			<div>ALERT CHARLIE-ONE</div>			<div>UNUSUAL EVENT DELTA-TWO</div>			<div>UNUSUAL EVENT DELTA-ONE</div>														
IN – PLANT RADIATION						SECURITY THREAT/DESTRUCTIVE PHENOMENA						FIRE/GASES						JUDGEMENT						CLASSIFICATION					
<div>RG1</div> <div>MAJOR FUEL DAMAGE</div> <div>Mode ALL</div> <div>1. RM-8240/8241 Reading > 1,200 R/hr</div> <div>2. At Least 20% Fuel Clad Damage As Determined By Core Damage Estimate</div> <div>3. Spent Fuel Is Exposed from Water Loss from Open Vessel, Cavity, Or SF Pool AND BOTH of the Following:<div><div>Spent Fuel Has Decayed < 30 Days</div><div>CTMT Integrity is NOT Established OR Exposed Spent Fuel Is Outside CTMT</div></div></div>						<div>TG1</div> <div>SECURITY EVENT</div> <div>Mode ALL</div> <div>1. Loss of Physical Control of the Control Room</div> <div>2. Loss of Physical Control of Remote Shutdown Capability</div>												<div>JG1</div> <div>JUDGEMENT</div> <div>Mode ALL</div> <div>Other Conditions Exist For Which Judgement Indicates:<div>1. Actual Or Imminent Substantial Core Degradation With Potential For Loss Of Containment, OR</div><div>2. Potential For Uncontrolled Radiological Releases. These Releases Can Be Reasonably Expected To Exceed EPA PAG Plume Exposure Levels Outside The Site Boundary</div></div>						<div>GENERAL EMERGENCY</div> <div>ALPHA</div> <div>OR</div> <div>BRAVO</div> <div>Events In Progress or Have Occurred Which Involve Actual or Imminent Substantial Core Degradation or Melting With Potential for Loss of Containment integrity</div>					
<div>RS1</div> <div>SPENT FUEL DAMAGE</div> <div>Mode ALL</div> <div>Spent Fuel is Exposed from Open Vessel or Cavity AND BOTH of the Following:<div><div>Spent Fuel Has Decayed < 30 Days</div><div>CTMT Integrity Established</div></div></div>						<div>TS1</div> <div>SECURITY EVENT</div> <div>Mode ALL</div> <div>Intrusion into Vital Area by a Hostile Force</div>						<div>GS1</div> <div>CONTROL ROOM EVACUATION</div> <div>Mode ALL</div> <div>Unit Control from Hot Shutdown Panel C-10 Or C-21 NOT Established Within 15 Minutes After Control Room Evacuation</div>						<div>JS1</div> <div>JUDGEMENT</div> <div>Mode ALL</div> <div>Other Conditions Exist For Which Judgement Indicates Actual Or Likely Major Failures of Plant Functions Needed For Protection Of The Public</div>						<div>SITE AREA EMERGENCY</div> <div>CHARLIE – TWO</div> <div>Events In Progress or Have Occurred Which Involve Actual or Likely Major Failures of Plant Functions Needed for Protection of the Public</div>					
<div>RA1</div> <div>SPENT FUEL ASSEMBLY DAMAGE</div> <div>Mode ALL</div> <div>Spent Fuel is Exposed from Open Vessel, Cavity, or SF Pool AND Spent Fuel Has Decayed ≥ 30 Days</div> <div>2. Fuel Handling Accident Causing Damage to Spent Fuel, Indicated by Fuel Building OR Containment Radiation Monitors Increasing</div>						<div>TA1</div> <div>SECURITY EVENT</div> <div>Mode ALL</div> <div>Intrusion Into Protected Area by a Hostile Force</div> <div>TA2</div> <div>DESTRUCTIVE PHENOMENA</div> <div>Mode ALL</div> <div>1. Seismic Event > 0.09g ZPA</div> <div>2. Onsite Sustained Windspeed > 90 MPH</div> <div>3. Visible Damage to Structures or Equipment AND Affecting Safe Shutdown</div> <div>4. Vessel or Vehicle Collision AND Affecting Safe Shutdown</div> <div>5. Missiles Affecting Safe Shutdown</div> <div>6. Flooding Affecting Safe Shutdown</div>						<div>GA1</div> <div>CONTROL ROOM EVACUATION</div> <div>Mode ALL</div> <div>Control Room Evacuation Initiated</div> <div>GA2</div> <div>FIRE/EXPLOSION</div> <div>Mode ALL</div> <div>Fire or Explosion Affecting Safe Shutdown Area AND Damage to Structures OR Equipment Indicated</div> <div>GA3</div> <div>TOXIC/FLAMMABLE GASES</div> <div>Mode ALL</div> <div>Life Threatening Toxic Gases OR Flammable Gas Concentrations as Identified in C – OP 200.5, “Oil, Hazardous Material, Hazardous Waste and Mixed Waste Contingency Plan” Affecting Areas for Safe Shutdown</div>						<div>JA1</div> <div>JUDGEMENT</div> <div>Mode ALL</div> <div>Any Condition For Which Judgement Indicates That Safety Systems May Be Degraded AND Which Requires Emergency Response Organization Staffing</div>						<div>ALERT</div> <div>CHARLIE – ONE</div> <div>Events In Progress or Have Occurred Which Involve an Actual or Potential Substantial Degradation of the Level of Safety of the Plant</div>					
<div>RA2</div> <div>PLANT RADIATION</div> <div>Mode ALL</div> <div>1. Radiation Readings > 15 mR/hr in Control Room OR Central Alarm Station OR Secondary Alarm Station</div> <div>2. Radiation Reading > 5 R/hr in Areas Requiring Access for Safe Shutdown</div>						<div>TU1</div> <div>SECURITY EVENT</div> <div>Mode ALL</div> <div>Bomb Device Discovered in Protected Area</div> <div>TU2</div> <div>DESTRUCTIVE PHENOMENA</div> <div>Mode ALL</div> <div>1. Seismic Activity Detected Per AOP-2562, Earthquake</div> <div>2. Report by Plant Personnel of Tornado Striking Within Protected Area</div> <div>3. Visible Damage to Structures or Equipment Within the Protected Area</div> <div>4. Onsite Sustained Windspeed > 75 MPH</div> <div>5. Explosion Within the Protected Area</div> <div>6. Turbine Faiure Causing Observable Casing Damage</div> <div>7. Vessel or Vehicle Collision With Structures OR Equipment Required for Safe Shutdown</div> <div>8. Flood Level > 19 Feet Mean Sea Level</div> <div>9. Flooding in Areas Containing Safe Shutdown Equipment</div>						<div>GU1</div> <div>FIRE</div> <div>Mode ALL</div> <div>Fire in Building OR Areas Adjacent to Areas Needed for Safe Shutdown NOT Extinguished Within 15 Minutes of Notification OR Verification of Control Room Alarms</div> <div>GU2</div> <div>TOXIC/FLAMMABLE GASES</div> <div>Mode ALL</div> <div>1. Life Threatening Toxic Gases OR Flammable Gas Concentrations as Identified in C – OP 200.5, “Oil, Hazardous Material, Hazardous Waste and Mixed Waste Contingency Plan” Affecting Normal Operation</div> <div>2. Notification of a Near-Site Release That May Require Evacuation</div>						<div>JU1</div> <div>JUDGEMENT</div> <div>Mode ALL</div> <div>Any Condition For Which Judgement Indicates Potential Degradation in the Level of Safety of the Plant</div>						<div>UNUSUAL EVENT</div> <div>DELTA – TWO</div> <div>OR</div> <div>DELTA – ONE</div> <div>Events In Progress or Have Occurred Which Indicate a Potential Degradation of the Level of Safety of the Plant</div>					
												<div>AREAS OF CONCERN FOR SAFE SHUTDOWN</div> <div><div>Control Room</div><div>Cable Vaults</div><div>Turbine Building</div><div>Penetration Areas</div><div>RBCCW Rooms</div><div>Diesel Generator Room</div><div>Charging Pump Cubicles</div><div>Switchyard</div><div>Switchgear Rooms</div><div>Intake Structure</div><div>Switchgear Area</div><div>Coolant Tanks Area</div><div>Containment</div><div>DC Equipment and Battery Rooms</div><div>Safety Injection Pump Rooms</div></div>																	
<div>NOTE: When two or more EALs apply, always choose the EAL of the highest incident classification; also always read from top to bottom in each category.</div>																													

2

Millstone

MP – 26 – EPI – FAP06 – 002

Revision 000 – 01

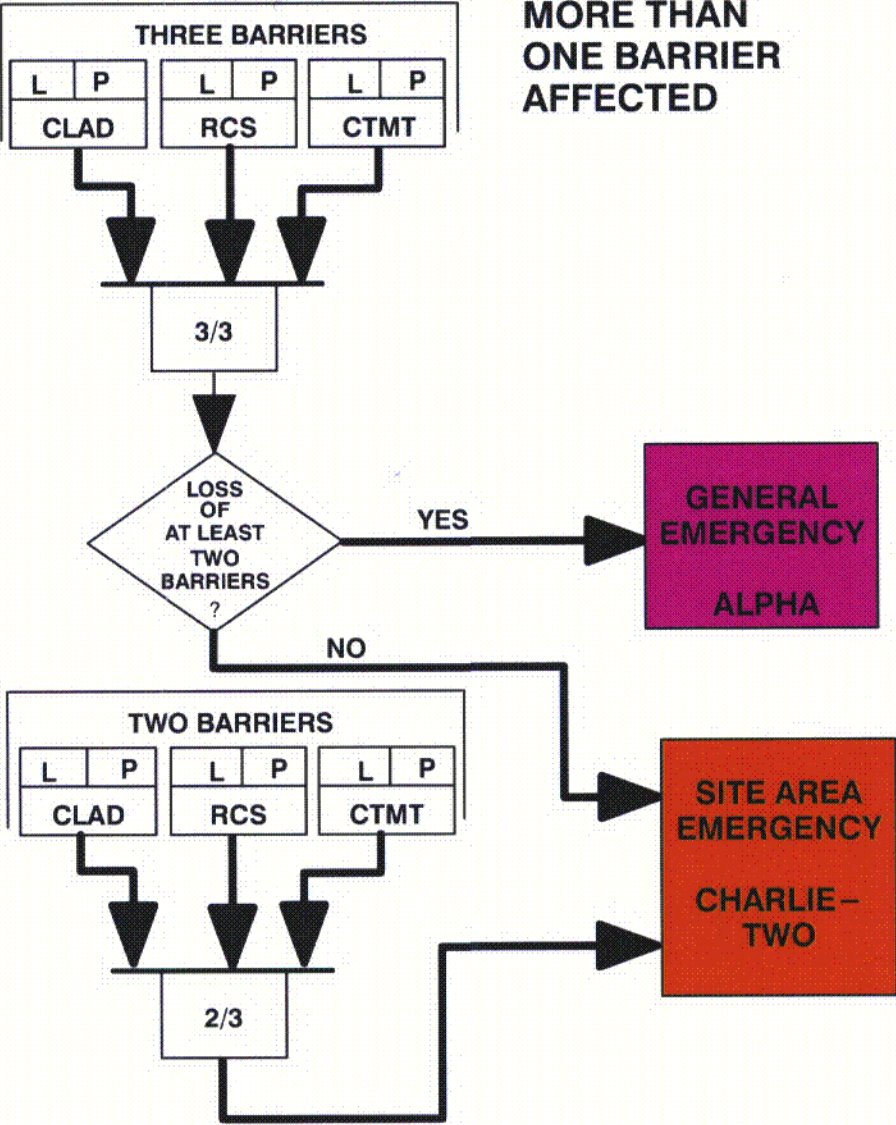
Page 2 of 3

C03

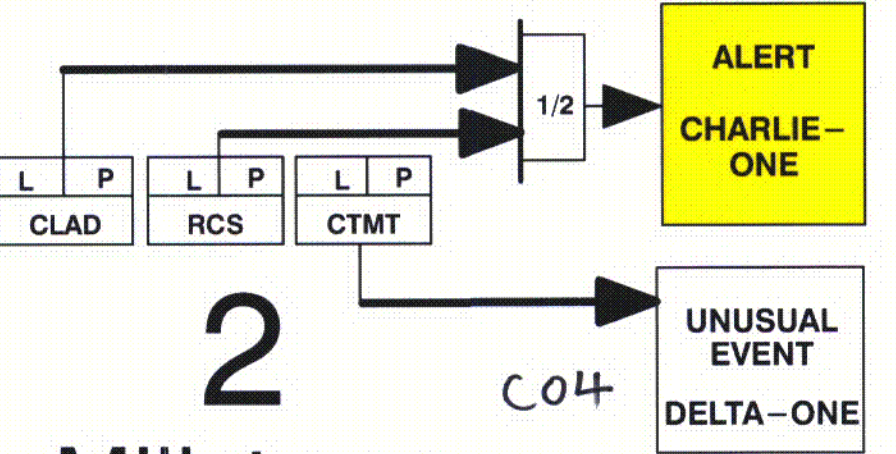
NOTE: When two or more EALs apply, always choose the EAL of the highest incident classification; also always read from top to bottom in each category.

MILLSTONE 2 EMERGENCY ACTION LEVELS BARRIER FAILURE REFERENCE TABLE
IMMINENT - No Turnaround in Safety System Performance is Expected AND Escalation to General Emergency Conditions Will Occur Within 2 Hours

INDICATORS	FUEL CLAD BARRIER	RCS BARRIER	CTMT BARRIER
SAFETY FUNCTION STATUS/ FUNCTIONAL RECOVERY	<div>FCB1</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P NO RCS Heat Removal Method Meets SFSC Criteria > 15 Minutes AND Shutdown Cooling System Is NOT In Service</div>	<div>RCB1</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P Uncontrolled RCS Cooldown AND RCS Pressure-Temperature To the Left Of the PTS Limit 200°F Subcooling Maximum Curve</div> <div>P NO RCS Heat Removal Method Meets SFSC Criteria > 15 Minutes AND Shutdown Cooling System Is NOT In Service</div>	
CORE EXIT TC TEMPERATURES	<div>FCB2</div> <div>LOSS</div> <div>L Core Exit Thermocouple Readings > 1300 °F</div> <div>POTENTIAL LOSS</div> <div>P Core Exit Thermocouple Readings > 800 °F</div>	<div>RCB2</div> <div>LOSS</div> <div>L RCS Subcooling < 30°F</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>CNB1</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P Core Exit TC Temperature Readings >1300°F AND Do NOT Decrease Within 15 Minutes</div>
PRESSURE		<div>RCB3</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P Uncontrolled RCS Pressure Decrease and Increasing Containment Radiation Monitors</div>	<div>CNB2</div> <div>LOSS</div> <div>L Rapid Unexplained CTMT Pressure Decrease Following Initial Increase</div> <div>L No CTMT Pressure Increase When Expectation Exists</div> <div>POTENTIAL LOSS</div> <div>P CTMT Pressure > 10 PSIG AND Increasing AND No Containment Spray Pump</div> <div>P CTMT H₂ Concentration ≥ 4%</div>
COOLANT LEAKAGE		<div>RCB4</div> <div>LOSS</div> <div>L Reactor Coolant Leak > CVCS Capacity AND Entry Into EOP-2534, Steam Generator Tube Rupture</div> <div>POTENTIAL LOSS</div> <div>P Reactor Coolant Leak > CVCS Capacity AND Entry Into EOP-2525, Standard Post Trip Actions</div> <div>P Reactor Coolant Leak ≤ CVCS Capacity AND Entry Into EOP-2534, Steam Generator Tube Rupture</div>	<div>CNB3</div> <div>LOSS</div> <div>L Primary to Secondary Leakage > Tech Spec Limits AND Unisolable Secondary Release to the Environment (Does NOT Include Normal Cycling of S/G Atmospheric Dump Valves or Safety Valves to Maintain Pressure/Temperature)</div> <div>L Failure of BOTH Isolation Valves AND a Pathway to the Environment Exists</div> <div>POTENTIAL LOSS</div> <div>P Entry Into EOP-2532, Loss of Primary Coolant, AND Leakage Exists Outside CTMT Requiring Local Isolation</div>
RADIATION	<div>FCB3</div> <div>LOSS</div> <div>L RM-8240/8241 Reading > 300 R/hr</div> <div>L RM-8240/8241 Reading > 5 R/hr Without RCS Release Inside CTMT</div> <div>L At Least 5% Fuel Clad Damage As Determined By Core Damage Estimate</div> <div>L Dose Rate at One Foot from Unpressurized RCS Sample ≥ 28 mR/hr/ml</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>RCB5</div> <div>LOSS</div> <div>L RM-8240/8241 Reading > 5 R/hr Without Fuel Clad Barrier Loss</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>CNB4</div> <div>LOSS</div> <div>L Offsite Dose Plume Rate ≥ 10⁻⁶ Times RM-8240/8241 Reading if Release is to CTMT</div> <div>POTENTIAL LOSS</div> <div>P RM-8240/8241 Reading > 1,200 R/hr</div> <div>P At Least 20% Fuel Clad Damage As Determined By Core Damage Estimate</div>
WATER LEVEL	<div>FCB4</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P RVLMS Reading = 0%</div>		<div>CNB5</div> <div>LOSS</div> <div>L No CTMT Sump Level Increase When Expectation Exists</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>
GEMENT	<div>FCB5</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of Fuel Clad Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>	<div>RCB6</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of RCS Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>	<div>CNB6</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of CTMT Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>



ONLY ONE BARRIER AFFECTED



2
Millstone

C04

MILLSTONE UNIT 3 EMERGENCY ACTION LEVELS

10/11/00
APPROVAL DATE

12/21/00
EFFECTIVE DATE

GENERAL EMERGENCY ALPHA GENERAL EMERGENCY BRAVO SITE AREA EMERGENCY CHARLIE-TWO ALERT CHARLIE-ONE UNUSUAL EVENT DELTA-TWO UNUSUAL EVENT DELTA-ONE

BARRIER FAILURE			LOSS OF POWER			EQUIPMENT FAILURE			OFFSITE RELEASES			CLASSIFICATION
BG1	ALL THREE BARRIERS	Mode 1, 2, 3, 4	PG1	STATION BLACKOUT	Mode 1, 2, 3, 4	EG1	ATWS/INADEQUATE COOLING	Mode 1	OG1	OFFSITE DOSE	Mode ALL	GENERAL EMERGENCY
See Barrier Failure Reference Table			Loss of Voltage on Buses 34C AND 34D AND ANY of the Following: <ul style="list-style-type: none">Restoration of Power to AT LEAST One Bus is NOT Likely Within Four HoursCore Cooling - REDHeat Sink - RED			Reactor Power > 5% Following Entry into FR – S.1 AND EITHER of the Following: <ul style="list-style-type: none">Core Cooling - REDAll SG Wide Range Levels < 29% (59% Adverse CTMT)			1. MP3 Kaman Vent Monitor (RE-10A) Reading ≥ 0.8 µCi/cc for for > 15 Minutes 2. MP1 Kaman Hi-Range Stack Monitor Reading ≥ 2 µCi/cc for > 15 Minutes 3. MP3 Safeties or Steam Dump Monitor (RE-75/76/77/78) Reading ≥ 20 µCi/cc for > 15 Minutes 4. Terry Turbine Monitor (RE-79) Reading ≥ 50 µCi/cc for > 15 Minutes 5. Measured Plume Dose Rate Onsite ≥ 1,000 mR/hr for > 15 Minutes 6. Rad Assessment Determines Integrated Dose Offsite > 1 Rem TEDE OR > 5 Rem CDE Thyroid			ALPHA OR BRAVO Events in Progress or Have Occurred Which Involve Actual or Imminent Substantial Core Degradation or Melting With Potential for Loss of Containment Integrity
BS1	ANY TWO BARRIERS	Mode 1, 2, 3, 4	PS1	STATION BLACKOUT	Mode 1, 2, 3, 4	ES1	ATWS	Mode 1	OS1	OFFSITE DOSE	Mode ALL	SITE AREA EMERGENCY
See Barrier Failure Reference Table			Loss of Voltage on Buses 34C AND 34D > 15 Minutes			FR-S.1 is Entered Directly From E-0			1. MP3 Kaman Vent Monitor (RE-10A) Reading ≥ 0.1 µCi/cc for > 15 Minutes 2. MP1 Kaman Hi-Range Stack Monitor Reading ≥ 0.7 µCi/cc for > 15 Minutes 3. MP3 Safeties or Steam Dump Monitor (RE-75/76/77/78) Reading ≥ 0.8 µCi/cc for > 15 Minutes 4. Terry Turbine Monitor (RE-79) Reading ≥ 10 µCi/cc for > 15 Minutes 5. Measured Plume Dose Rate Onsite ≥ 50 mR/hr for > 15 Minutes 6. Rad Assessment Determines Integrated Dose Offsite ≥ 0.05 Rem TEDE OR ≥ 0.25 Rem CDE Thyroid			CHARLIE – TWO Events in Progress or Have Occurred Which Involve Actual or Likely Major Failures of Plant Functions Needed for Protection of the Public
			PS2	LOSS OF DC	Mode 1, 2, 3, 4	1. Heat Sink - RED AND BOTH of the Following: <ul style="list-style-type: none">Required Feedwater Flow Can NOT Be Established Within 15 MinutesRCS Feed and Flood Can NOT Be Established 2. RCS Boration Capability Unable to Eliminate Inadvertent Criticality						ALERT CHARLIE – ONE Events in Progress or Have Occurred Which Involve an Actual or Potential Substantial Degradation of the Level of Safety of the Plant
			Loss of Voltage on DC Buses 1, 2, 3 AND 4 > 15 Minutes			ES3 IN – VESSEL FUEL UNCOVERY Mode 5, 6 RHR Has Been Lost AND ANY of the Following Conditions Exist: <ul style="list-style-type: none">Alternate Methods for Restoring RCS Inventory Are NOT EffectiveRVLMS Reading Decreasing Toward 19% Level (Plenum)CET Readings Indicate Superheat Conditions						
						ES4 LOSS OF ANNUNCIATORS/TRANSIENT Mode 1, 2, 3, 4 Loss of Most (75%) MCB Annunciators AND BOTH of the Following: <ul style="list-style-type: none">Significant Transient in ProgressLoss of SPDS AND ICC Instrumentation						
BA1	FUEL CLAD OR RCS BARRIER	Mode 1, 2, 3, 4	PA1	STATION BLACKOUT	Mode 5, 6	EA1	AUTOMATIC Rx TRIP FAILURE	Mode 1, 2	OA1	OFFSITE DOSE	Mode ALL	UNUSUAL EVENT DELTA – TWO OR DELTA – ONE Events in Progress or Have Occurred Which Indicate a Potential Degradation of the Level of Safety of the Plant
See Barrier Failure Reference Table			Loss of Voltage on Buses 34C AND 34D > 15 Minutes			Failure of Automatic Reactor Trip AND Manual Trip Was Successful			1. MP3 Kaman Vent Monitor (RE-10A) Reading ≥ 0.01 µCi/cc for > 15 Minutes 2. MP1 Kaman Hi-Range Stack Monitor Reading ≥ 0.07 µCi/cc for > 15 Minutes 3. MP3 Safeties or Steam Dump Monitor (RE-75/76/77/78) Reading ≥ 0.08 µCi/cc for > 15 Minutes 4. Terry Turbine Monitor (RE-79) Reading Of ≥ 1 µCi/cc for > 15 Minutes 5. Measured Plume Dose Rate Onsite ≥ 5 mR/hr for > 15 Minutes 6. Rad Assessment Determines Integrated Dose Offsite ≥ 0.005 Rem TEDE OR ≥ 0.025 Rem CDE Thyroid			
BA2	STEAM LINE BREAK	Mode 1, 2, 3, 4	PA2	SINGLE AC POWER SOURCE	Mode 1, 2, 3, 4	EA2	INABILITY TO MAINTAIN COLD S/D	Mode 5, 6				
Unisolable Steam Line Break Outside CTMT			Only One AC Power Source Available to Supply Buses 34C AND 34D > 15 Minutes Such That Loss of That Power Source Would Result in a Station Blackout (Station Blackout Diesel CANNOT be Credited)			1. Uncontrolled RCS Temperature Increase > 10 °F That Results in RCS Temperature > 200 °F 2. Inadvertent Criticality						
						EA3	LOSS OF ANNUNCIATORS/ TRANSIENT	Mode 1, 2, 3, 4				
						Loss of Most (75%) MCB Annunciators > 15 Minutes AND EITHER of the Following: <ul style="list-style-type: none">Significant Transient in ProgressLoss of SPDS AND ICC Instrumentation						
BU1	CTMT BARRIER	Mode 1, 2, 3, 4	PU1	LOSS OF OFFSITE POWER	Mode ALL	EU1	LOSS OF COLD S/D FUNCTION	Mode 5, 6	OU1	UNPLANNED RELEASE	Mode ALL	UNUSUAL EVENT DELTA – TWO OR DELTA – ONE Events in Progress or Have Occurred Which Indicate a Potential Degradation of the Level of Safety of the Plant
See Barrier Failure Reference Table			Buses 34C AND 34D Are Powered From Emergency Generators AND Offsite Power NOT Restored Within 15 Minutes			1. Loss of RHR Cooling > 15 Minutes AND Valid PZR Water Level (LT 462) Reading < 40% 2. Uncontrolled RCS Temperature Increase > 10°F 3. RCS Boron Concentration < Minimum Required			Effluent Monitors in Alarm OR Unplanned, Unmonitored or Uncontrolled Offsite Release AND DELTA-TWO Posture Code Limits as Determined from EPI – FAP06, "Classification and PARs."			
BU2	RCS LEAKAGE	Mode 1, 2, 3, 4	PU2	LOSS OF DC	Mode 5, 6	EU2	CAVITY SEAL FAILURE	Mode 6	Note: Effluent Monitors Indicate Release Above Alarm Setpoint Continuing > 60 minutes AND Reportability Evaluations NOT Complete			
1. Pressure Boundary Leakage > 10 GPM 2. Unidentified Leakage > 10 GPM 3. Identified Leakage > 25 GPM			Loss of Voltage on DC Buses 1, 2, 3 AND 4 > 15 Minutes			Refueling Cavity Seal Failure AND EITHER of the Following: <ul style="list-style-type: none">Valid PZR Level (LT 462) Reading < 40%Valid SFP Level (LI 26) Reading = 0%						
BU3	FUEL CLAD DEGRADATION	Mode ALL				EU3	LOSS OF ANNUNCIATORS	Mode 1, 2, 3, 4				
1. RCS Activity > 60 µCi/gm I-131 DEQ 2. Dose Rate at One Foot from Unpressurized RCS Sample ≥ 2 mR/hr/ml						Loss of Most (75%) MCB Annunciators > 15 Minutes AND SPDS OR ICC Instruments Available						
						EU4	LOSS OF COMMUNICATIONS	Mode ALL				
						1. Loss of ALL Onsite Electronic Communications Methods 2. Loss of ALL Electronic Communications Methods With Government Agencies						
						EU5	SHUTDOWN LCO EXCEEDED	Mode 1, 2, 3, 4				
						Unit NOT Brought To Required Mode Within Applicable LCO Action Statement Time Limits						

3

Millstone

MP – 26 – EPI – FAP06 – 003
Revision 000 – 01
Page 1 of 3

C05

NOTE: When two or more EALs apply, always choose the EAL of the highest incident classification; also always read from top to bottom in each category.

3
Millstone

MP-26-EPI-FAP06-003
Revision 000-01
Page 1 of 3

C05

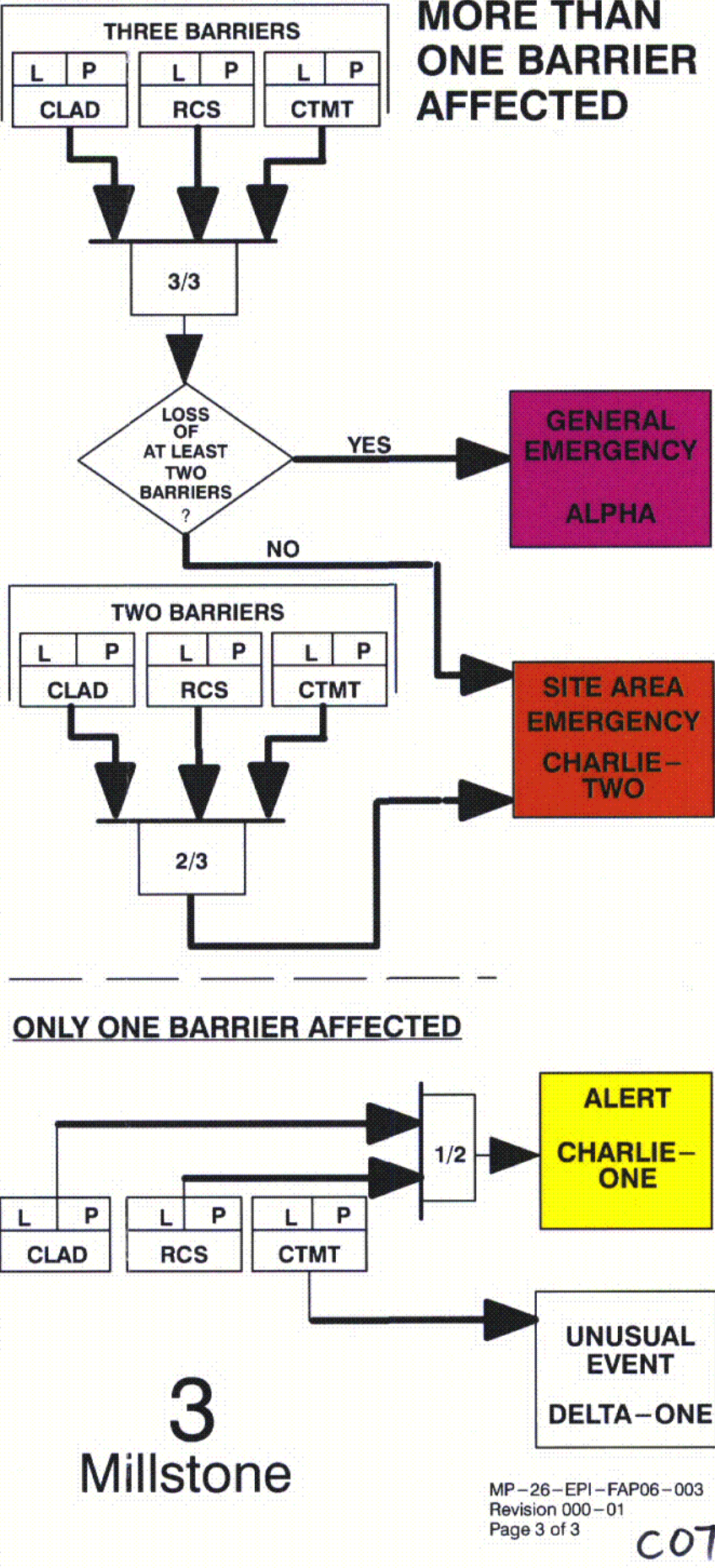
MILLSTONE UNIT 3 EMERGENCY ACTION LEVELS

GENERAL EMERGENCY ALPHA		GENERAL EMERGENCY BRAVO		SITE AREA EMERGENCY CHARLIE-TWO		ALERT CHARLIE-ONE		UNUSUAL EVENT DELTA-TWO		UNUSUAL EVENT DELTA-ONE		
IN-PLANT RADIATION			SECURITY THREAT/DESTRUCTIVE PHENOMENA			FIRE/GASES			JUDGEMENT		CLASSIFICATION	
RG1	MAJOR FUEL DAMAGE	Mode ALL	TG1	SECURITY EVENT	Mode ALL				JG1	JUDGEMENT	Mode ALL	GENERAL EMERGENCY
1. Valid RE04A/05A Reading > 2,000 R/hr 2. At Least 20% Fuel Clad Damage As Determined By Core Damage Estimate 3. Spent Fuel Is Exposed from Water Loss from Open Vessel, Cavity, Or SF Pool AND BOTH of the Following: • Spent Fuel Has Decayed < 30 Days • Release Can Bypass CTMT			1. Loss of Physical Control of the Control Room 2. Loss of Physical Control of Remote Shutdown Capability						Other Conditions Exist For Which Judgement Indicates: 1. Actual Or Imminent Substantial Core Degradation With Potential For Loss Of Containment, OR 2. Potential For Uncontrolled Radiological Releases. These Releases Can Be Reasonably Expected To Exceed EPA PAG Plume Exposure Levels Outside The Site Boundary			ALPHA OR BRAVO Events in Progress or Have Occurred Which Involve Actual or Imminent Substantial Core Degradation or Melting With Potential for Loss of Containment Integrity
RS1	SPENT FUEL DAMAGE	Mode ALL	TS1	SECURITY EVENT	Mode ALL	GS1	CONTROL ROOM EVACUATION	Mode ALL	JS1	JUDGEMENT	Mode ALL	SITE AREA EMERGENCY
Spent Fuel is Exposed from Open Vessel, or Cavity AND BOTH of the Following: • Spent Fuel Has Decayed < 30 Days • CTMT Integrity Established			Intrusion into Vital Area by a Hostile Force			Unit Control from Auxiliary Shutdown Panel NOT Established Within 15 Minutes After Control Room Evacuation			Other Conditions Exist For Which Judgement Indicates Actual Or Likely Major Failures of Plant Functions Needed For Protection Of The Public			CHARLIE-TWO Events in Progress or Have Occurred Which Involve Actual or Likely Major Failures of Plant Functions Needed for Protection of the Public
RA1	SPENT FUEL ASSEMBLY DAMAGE	Mode ALL	TA1	SECURITY EVENT	Mode ALL	GA1	CONTROL ROOM EVACUATION	Mode ALL	JA1	JUDGEMENT	Mode ALL	ALERT
1. Spent Fuel is Exposed from Open Vessel, Cavity OR SF Pool AND Spent Fuel Has Decayed ≥ 30 Days 2. Fuel Handling Accident Causing Damage to Spent Fuel, Indicated by Fuel Building OR Containment Radiation Monitors Increasing			Intrusion Into Protected Area by a Hostile Force			Control Room Evacuation Initiated			Any Condition For Which Judgement Indicates That Safety Systems May Be Degraded And Which Requires Emergency Response Organization Staffing			CHARLIE-ONE Events in Progress or Have Occurred Which Involve an Actual or Potential Substantial Degradation of the Level of Safety of the Plant
RA2	PLANT RADIATION	Mode ALL	TA2	DESTRUCTIVE PHENOMENA	Mode ALL	GA2	FIRE/EXPLOSION	Mode ALL				
1. Radiation Readings > 15 mR/hr in Control Room OR Central Alarm Station OR Secondary Alarm Station 2. Radiation Reading > 5 R/hr in Areas Requiring Access for Safe Shutdown			1. Seismic Event > 0.09g ZPA 2. Onsite Sustained Windspeed > 90 MPH 3. Visible Damage to Structures or Equipment AND Affecting Safe Shutdown 4. Vessel or Vehicle Collision AND Affecting Safe Shutdown 5. Missiles Affecting Safe Shutdown 6. Flooding Affecting Safe Shutdown			Fire or Explosion Affecting Safe Shutdown Area AND Damage to Structure OR Equipment Indicated						
						GA3	TOXIC/FLAMMABLE GASES	Mode ALL				
						Life Threatening Toxic Gases OR Flammable Gas Concentrations as Identified in C-OP 200.5, Oil, Hazardous Material, Hazardous Waste and Mixed Waste Contingency Plan Affecting Areas for Safe Shutdown						
RU1	RAD MONITORS	Mode ALL	TU1	SECURITY EVENT	Mode ALL	GU1	FIRE	Mode ALL	JU1	JUDGEMENT	Mode ALL	UNUSUAL EVENT
1. Containment OR Fuel Building Area Rad Monitor Alarms Indicate Cavity Seal Failure 2. Unexpected Rad Monitor Reading Offscale High OR > 1000 Times Normal Reading			Bomb Device Discovered in Protected Area			Fire in Buildings OR Areas Adjacent to Areas Needed for Safe Shutdown NOT Extinguished Within 15 Minutes of Control Room Notification OR Verification of Control Room Alarms			Any Condition For Which Judgement Indicates Potential Degradation in the Level of Safety of the Plant			DELTA-TWO OR DELTA-ONE Events in Progress or Have Occurred Which Indicate a Potential Degradation of the Level of Safety of the Plant
			TU2	DESTRUCTIVE PHENOMENA	Mode ALL	GU2	TOXIC/FLAMMABLE GASES	Mode ALL				
			1. Seismic Activity Detected Per AOP-3570, Earthquake 2. Report by Plant Personnel of Tornado Striking Within Protected Area 3. Visible Damage to Structures or Equipment Within the Protected Area 4. Onsite Sustained Windspeed > 75 MPH 5. Explosion Within the Protected Area 6. Turbine Failure Causing Observable Casing Damage 7. Vessel or Vehicle Collision With Structures or Equipment Required for Safe Shutdown 8. Flood Level > 19.7 Feet Mean Sea Level 9. Flooding in Areas Containing Safe Shutdown Equipment			1. Life Threatening Toxic Gases OR Flammable Gas Concentrations as Identified in C-OP 200.5, Oil, Hazardous Material, Hazardous Waste and Mixed Waste Contingency Plan Affecting Normal Operation 2. Notification of a Near-Site Release That May Require Evacuation						
</												

MILLSTONE 3 EMERGENCY ACTION LEVELS BARRIER FAILURE REFERENCE TABLE

IMMINENT - No Turnaround in Safety System Performance is Expected AND Escalation to General Emergency Conditions Will Occur Within 2 Hours

INDICATORS	FUEL CLAD BARRIER	RCS BARRIER	CTMT BARRIER
STATUS TREES	<div>FCB1</div> <div>LOSS</div> <div>L</div> <div>Core Cooling - RED</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Core Cooling - ORANGE</div> <div>P</div> <div>Heat Sink - RED AND BOTH of the Following:<ul style="list-style-type: none">Required Feedwater Flow Can NOT Be Established Within 15 MinutesRCS Feed and Bleed Can NOT Be Established</div>	<div>RCB1</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>RCS Integrity - RED</div> <div>P</div> <div>Heat Sink - RED AND Required Feedwater Flow Can NOT Be Established Within 15 Minutes</div>	<div>CNB1</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Containment - RED</div>
CORE EXIT TC TEMPERATURES	<div>FCB2</div> <div>LOSS</div> <div>L</div> <div>Core Exit TC Temperatures > 1200 °F</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Core Exit TC Temperatures > 718 °F</div>	<div>RCB2</div> <div>LOSS</div> <div>L</div> <div>RCS Subcooling < 32 °F Due to RCS Leak (115°F Adverse CTMT)</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>CNB2</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Entry Into FR-C.1, Response to Inadequate Core Cooling, or FR-C.2, Response to Degraded Core Cooling with RVLMS ≤ 19% (Plenum) AND Core Exit TC Temperatures Do NOT Decrease Within 15 Minutes</div>
PRESSURE		<div>RCB3</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Uncontrolled RCS Pressure Decrease and Increasing Containment Radiation Monitors</div>	<div>CNB3</div> <div>LOSS</div> <div>L</div> <div>Rapid Unexplained CTMT Pressure Decrease Following Initial Increase</div> <div>L</div> <div>No CTMT Pressure Increase When Expectation Exists</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>CTMT Pressure ≥ 60 PSIA AND Increasing</div> <div>P</div> <div>CTMT H₂ Concentration ≥ 4%</div>
COOLANT LEAKAGE		<div>RCB4</div> <div>LOSS</div> <div>L</div> <div>Entry Into E-3, "Steam Generator Tube Rupture" AND Reactor Coolant Leak > Capacity of One Charging Pump</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Entry Into E-0, "Reactor Trip or Safety Injection" OR AOP 3555, "Reactor Coolant Leak" AND Reactor Coolant Leak > Capacity of One Charging Pump</div> <div>P</div> <div>Entry into E-3, "Steam Generator Tube Rupture" AND Reactor Coolant Leak ≤ Capacity of One Charging Pump</div>	<div>CNB4</div> <div>LOSS</div> <div>L</div> <div>Primary to Secondary Leakage > Tech Spec Limits AND Unisolable Secondary Release to the Environment (Does NOT Include Normal Cycling of S/G Atmospheric Dump Valves or Safety Valves)</div> <div>L</div> <div>Failure of BOTH Isolation Valves AND a Pathway to the Environment Exists</div> <div>L</div> <div>Entry Into ECA-1.2, LOCA Outside Containment, Is Required AND Reactor Coolant Leakage is Verified</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>Entry Into ECA-1.2, LOCA Outside Containment</div>
RADIATION	<div>FCB3</div> <div>LOSS</div> <div>L</div> <div>RE-04A/05A Reading > 500 R/hr</div> <div>L</div> <div>RE-04A/05A Reading > 5 R/hr Without RCS Release</div> <div>L</div> <div>At Least 5% Fuel Clad Damage As Determined By Core Damage Estimate</div> <div>L</div> <div>Dose Rate at One Foot from Unpressurized RCS Sample ≥ 30 mR/hr/ml</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>RCB5</div> <div>LOSS</div> <div>L</div> <div>RE-04/05A Reading > 5 R/hr Without Fuel Clad Barrier Loss</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>	<div>CNB5</div> <div>LOSS</div> <div>L</div> <div>Offsite Dose Plume Rate ≥ 10⁻⁶ Times RE-04A/RE-05A Reading if Coolant Loss is to CTMT</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>RE-04A/05A Reading > 2,000 R/hr</div> <div>P</div> <div>At Least 20% Fuel Clad Damage As Determined By Core Damage Estimate</div>
WATER LEVEL	<div>FCB4</div> <div>LOSS</div> <div>Not Applicable</div> <div>POTENTIAL LOSS</div> <div>P</div> <div>RVLMS ≤ 19% (Plenum)</div>		<div>CNB6</div> <div>LOSS</div> <div>L</div> <div>No CTMT Sump Level Increase When Expectation Exists</div> <div>POTENTIAL LOSS</div> <div>Not Applicable</div>
JUDGEMENT	<div>FCB4</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of Fuel Clad Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>	<div>RCB6</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of RCS Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>	<div>CNB7</div> <div>Any Condition For Which Judgement Indicates Loss or Potential Loss of CTMT Barrier Due to:<ul style="list-style-type: none">Imminent Barrier Degradation Based On Current Safety System PerformanceDegraded Fission Barrier Monitoring Capability Making Barrier Status Indeterminate</div>



6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP06 -006 Rev. No.: 000 Minor Rev.: _____

Title: Classification and PARs

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	9/27/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(4)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 0030

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

EOF Protective Action Recommendations

NOTE

The State must be notified within 15 minutes after a decision is made to issue or update PARs. Prior to State EOC activation, PARs are verbally transmitted to the 24 hour DEP Dispatcher in Hartford.

After State EOC activation, PARs are transmitted to DEP representatives at the State EOC directly over a hotline on the DSEO's desk.

Section A: Evaluating Protective Action Recommendations (PARs)

- ☐ 1. Refer To Section B, "EOF PAR Process Flowchart," and determine the appropriate PAR.
- a) Record the current wind direction in degrees (from): _____
- b) Check the appropriate row on the PAR table.
2. IF the State EOC is activated, complete Section C, "State DEP PAR Transmittal Form," as follows:
- ☐ a) Using the information from the Section B, "EOF PAR Process Flowchart," circle 'E' for communities that will be evacuated and 'S' for communities that will be sheltered (provide any other actions as appropriate).
- ☐ b) Check one or more of the blocks in the 'Technical Bases' section as applicable (provide any comments as appropriate).
- ☐ c) Verify DSEO review and approval by completion of the 'Authorization' section.
- ☐ d) Record the date and time the DSEO provides the PAR notification to the State via the DEP hotline.
- Date: _____ Time: _____
- ☐ e) Fax the State DEP PAR Transmittal Form to the State EOC and record the date and time completed.
- Date: _____ Time: _____
- ☐ f) Record the date and time the DSEO informs the Executive Spokesperson in the JMC of the PARs.

Date: _____ Time: _____

Section A: Evaluating Protective Action Recommendations (PARs)

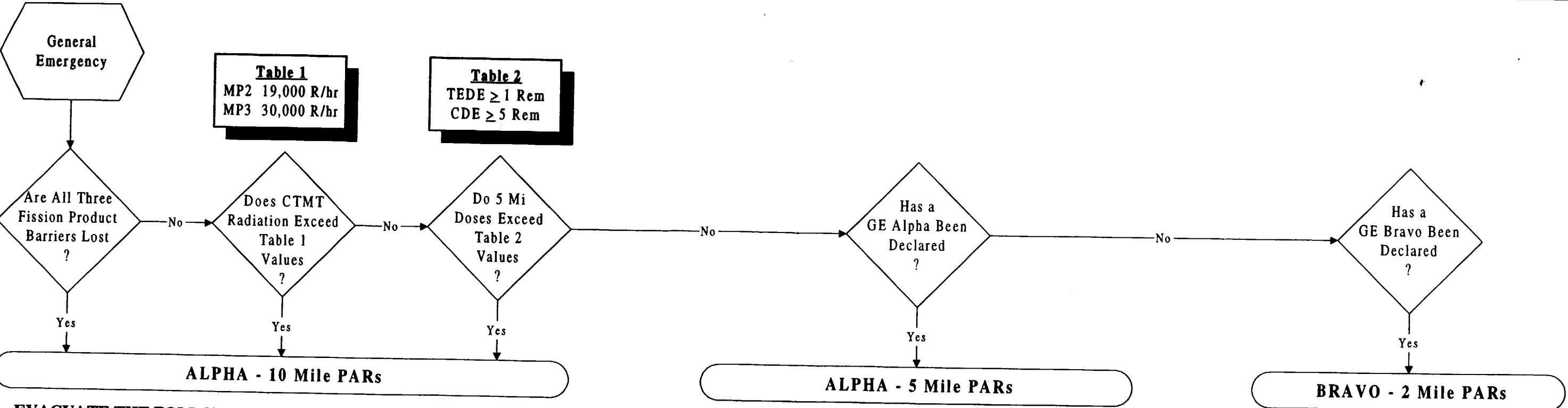
3. IF the State EOC is **not** activated, ensure the DSEO verbally transmits PARs to the DEP Dispatcher in Hartford as follows:

- ☐ a) Contact the DEP Dispatcher in Hartford (number is in EPUG-08B).
- ☐ b) Identify yourself and read the EVACUATE and SHELTER recommendations from the applicable Section B table row.
- ☐ c) Request the dispatcher inform the DEP Duty Officer that a PAR has been issued.
- ☐ d) Log the date and time of notification.

NOTE

The DEP Duty Officer will call back to verify the PAR and obtain additional information relative to public safety.

Section B: EOF PAR Process Flowchart



1. EVACUATE THE FOLLOWING ZONES

✓	Wind	Zones to Evacuate
	030°-051°	A and B
	052°-088°	A and B and Old Lyme in D
	089°-093°	A and B and D
	094°-138°	A and B and D and East Lyme in C
	139°-154°	A and B and C and Lyme in D
	155°-177°	A and B and C
	178°-186°	A and B and Montville and Waterford in C
	187°-193°	A and B and Montville and Waterford in C and Ledyard in E
	194°-218°	A and B and E and Montville and Waterford in C
	219°-229°	A and B and E and Waterford in C
	230°-244°	A and B and E
	245°-257°	A and B and Groton City & Town in E
	258°-286°	A and B and F and Groton City & Town in E
	287°-316°	A and B and F
	317°-339°	A and B
	340°-029°	A and B and Plum Island

2. SHELTER ALL OTHER ZONES

1. EVACUATE THE FOLLOWING ZONES

✓	Wind	Zones to Evacuate
	083°-139°	A and East Lyme in B
	140°-167°	A and East Lyme and Waterford in B
	168°-189°	A and Waterford in B
	190°-243°	A and Waterford and New London in B
	244°-290°	A and New London in B
	291°-082°	A

2. SHELTER ALL OTHER ZONES

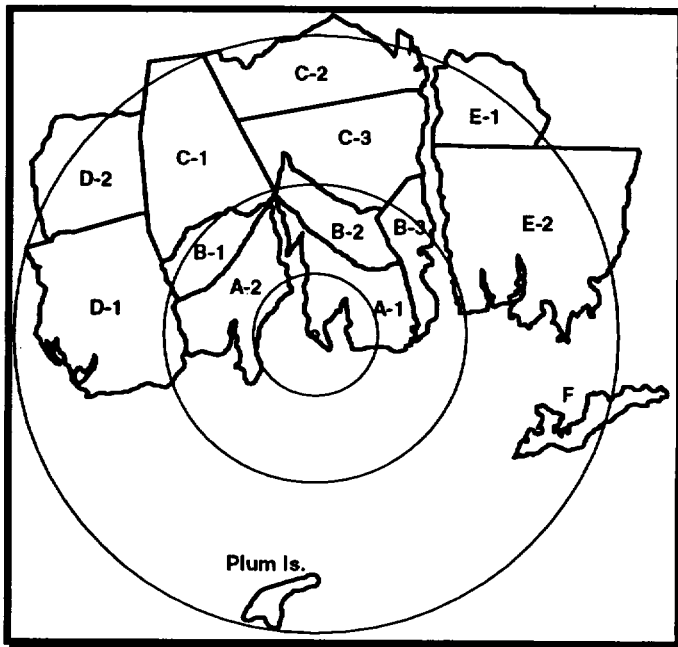
1. EVACUATE ZONE 'A'
2. SHELTER ALL OTHER ZONES

Section C: State DEP PAR Transmittal Form

Millstone Station Protective Action Recommendations

Circle 'E' for Evacuate or 'S' for Shelter

Zone	Community	PAR
(0-2 mi) A	Waterford (A-1) East Lyme (A-2)	E S
(2-5 mi) B	East Lyme (B-1) Waterford (B-2) New London (B-3)	E S E S E S
(5-10 mi) C	East Lyme (C-1) Montville (C-2) Waterford (C-3)	E S E S E S
D	Old Lyme (D-1) Lyme (D-2)	E S E S
E	Ledyard (E-1) Groton City & Town (E-2)	E S E S
F	Fishers Island	E S
N/A	Plum Island	E S



Other: _____

Technical Basis (check at least one)

- | | | |
|-----------------------------------|---|-------------------------------------|
| <input type="checkbox"/> GE-Alpha | <input type="checkbox"/> Plant Conditions | <input type="checkbox"/> Wind Shift |
| <input type="checkbox"/> GE-Bravo | <input type="checkbox"/> Projected Dose | <input type="checkbox"/> Other |
| | <input type="checkbox"/> Measured Dose | |

Comments: _____

Authorization

Approved By: _____ Date: _____ Time: _____

DSEO Signature

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP06 - 007 Rev. No.: 000 Minor Rev.: _____

Title: Classification and PARs

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews

Print

Sign

Date

SQR Qualified

✓ #
Comments

Yes No Dept.

<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	11/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/27/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG ✓
So. 54 (q)	<input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	11/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD
RCD	<input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	11/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Independent	<input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	11/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/R/DH Final Review and Approval

[Signature] 10/2/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/06

Approval Date

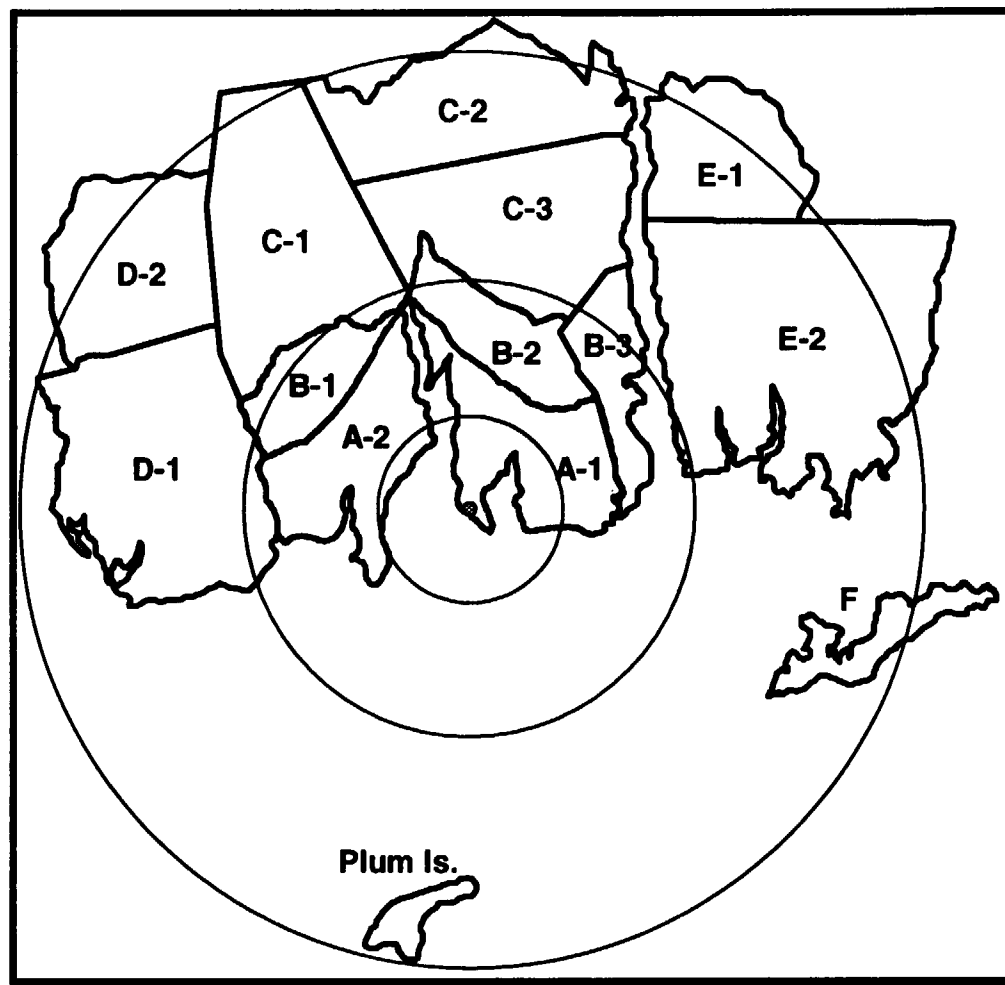
12/21/06

Effective Date

Protective Action Comparisons

Circle 'E' for Evacuate or 'S' for Shelter

Zone	Community	Station	State
(0-2 mi)			
A	Waterford (A-1)	E S	E S
	East Lyme (A-2)		
(2-5 mi)			
B	East Lyme (B-1)	E S	
	Waterford (B-2)	E S	E S
	New London (B-3)	E S	
(5-10 mi)			
C	East Lyme (C-1)	E S	
	Montville (C-2)	E S	E S
	Waterford (C-3)	E S	
D	Old Lyme (D-1)	E S	
	Lyme (D-2)	E S	E S
E	Ledyard (E-1)	E S	
	Groton City & Town (E-2)	E S	E S
F	Fishers Island	E S	E S
N/A	Plum Island	E S	



Other: _____

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP06 Rev. No.: 000 Minor Rev.: _____

Title: Classification and PARs

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GOLD1 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/27/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/RI/DH Final Review and Approval

[Signature] 10/2/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

**Functional
Administrative
Procedure**



Classification and PARs

MP-26-EPI-FAP06

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00



Table of Contents

1. PURPOSE

1.1 Objective.....	2
1.2 Applicability.....	2
1.3 Supporting Documents.....	2
1.4 Discussion.....	3

2. INSTRUCTIONS

2.1 Event Classification Based on EAL Tables	5
2.2 Transitory Events.....	7
2.3 Emergency Termination and Transition to Recovery.....	8
2.4 Plant Based Protective Action Recommendations (PARs).....	9
2.5 Dose Assessment Based Protective Action Recommendations (PARs).....	10

3. SUMMARY OF CHANGES

3.1 Original issue	11
--------------------------	----

4. ATTACHMENTS AND FORMS

Attachment 1 Definitions And Abbreviations	12
Attachment 2 Responsibilities.....	13
Attachment 3 OU1-Determination Criteria	14
Attachment 4 PAR Zone Descriptions	15
Attachment 5 State And Local Posture Code Response And Protective Actions	16
MP-26-EPI-FAP06-001, "Millstone Unit 1 Emergency Action Levels"	
MP-26-EPI-FAP06-002, "Millstone Unit 2 Emergency Action Levels"	
MP-26-EPI-FAP06-003, "Millstone Unit 3 Emergency Action Levels"	
MP-26-EPI-FAP06-004, "Termination Checklist"	
MP-26-EPI-FAP06-005, "Control Room Protective Action Recommendations"	
MP-26-EPI-FAP06-006, "EOF Protective Action Recommendations"	
MP-26-EPI-FAP06-007, "Protective Action Comparisons"	

1. PURPOSE

1.1 Objective

This procedure provides guidance on:

- The use of Emergency Action Levels (EALs) for classifying an emergency.
- Determining the offsite Protective Action Recommendation (PAR).
- Terminating the emergency and transitioning into Recovery.

1.2 Applicability

1.2.1 Conditions exist which, in the judgment of the Shift Manager/DSEO, could be classified as an emergency.

1.2.2 Conditions have been stabilized and the DSEO is preparing to terminate the emergency and enter into Recovery.

1.3 Supporting Documents

EPI-FAP07, "Notifications and Communications"

EPI-FAP14, "Recovery"

EPIP 4400A, "Non-Emergency Station Events"

1.4 Discussion

1.4.1 Event Classification

- a. The decisions to classify an event and recommend protective actions are non-delegable responsibilities of the DSEO. Personnel will assist with the analysis of the event and the development of recommendations, but the ultimate approval authority rests with the DSEO. Input and recommendations that support the decision are provided by the ADTS for operational and EAL table input, the ADEOF for PAR and notification information, and the MOS for security considerations.
- b. To ensure classification upgrades are timely and effective, a continuous communications network has been established between the CRDC in the affected Unit's Control Room, the TIC in the EOF, and the TSCSM in the TSC. The CRDC provides data on changing plant status and parameters. The TIC and the TSCSM provide this information to the DSEO and ADTS (respectively), answer operational and technical questions, and alert of potential impact on classification.
- c. A 15 minute goal has been established by the NRC as a reasonable period of time for assessing and classifying an emergency once indications are available that an EAL initiating condition has been exceeded. After the event has been classified, regulations require the prompt notification of off-site authorities within 15 minutes.

1.4.2 Protective Action Recommendations (PARs) General Guidance

- a. PARs are made whenever a General Emergency is declared. Millstone will not issue PARs for any accident classified below a General Emergency.
- b. PARs provided in response to a radioactive release include evacuation and taking shelter.
 - Evacuation is the preferred action unless external conditions impose a greater risk from the evacuation than from the dose received.
 - Station personnel do not typically have the necessary information to determine whether offsite conditions would require sheltering instead of an evacuation. Therefore, an effort to base PARs on external factors (such as road conditions, traffic/traffic control, weather or offsite emergency worker response) should not be attempted.

- c. At a minimum, a plant condition driven PAR to evacuate a 2 mile radius, and shelter all other Subzones (General Emergency Bravo), is issued at the declaration of a General Emergency. Depending on plant conditions, the following may be issued instead of the minimum PAR:
- 2 mile radius and 5 miles downwind, and shelter all other Subzones (General Emergency Alpha)
 - 5 mile radius and 10 miles downwind, and shelter all other Subzones.
- d. PARs are provided directly to the State DEP (via the IRF as part of the classification posture code or by phone communications).
- The PAR must be provided to the State within 15 minutes of the classification of the General Emergency or any change in recommended actions.
 - The PAR must be provided to the NRC as soon as possible and within 60 minutes of (1) the classification of the General Emergency or (2) any change in recommended actions.
- e. The DSEO may elect to specify PARs for any combinations of Subzones or the entire EPZ (or beyond) regardless of plant and dose based guidance.
- f. PARs should not be extended based on the results of dose projections unless the postulated release is likely to occur within a short period of time. Plant based PARs are inherently conservative such that expanding the evacuation zone as an added precaution would result in a greater risk from the evacuation than from the radiological consequences of a release. It also would dilute the effectiveness of the offsite resources used to accommodate the evacuation.
- g. Many assumptions exist in dose assessment calculations, involving both source term and meteorological factors, which make computer predictions over long distances highly questionable. In the event dose assessment results indicate the need to recommend actions beyond the outer EPZ boundaries (past 10 miles), field monitoring teams will be dispatched to downwind areas to verify the calculated exposure rates prior to issuing PARs outside the EPZ.

2. INSTRUCTIONS

2.1 Event Classification Based on EAL Tables

2.1.1 IF sufficient cause exists for classifying an emergency event, perform the following:

- a. Analyze available information and develop a general understanding of events in progress.
- b. Assign staff to collect and track information.
- c. IF necessary, request additional assistance to support assessment of indications.

2.1.2 Determine whether a classifiable emergency exists as follows:

- a. Review the applicable unit EAL tables:
 - EPI-FAP06-001, "Millstone Unit 1 EAL Table"
 - EPI-FAP06-002, "Millstone Unit 2 EAL Table"
 - EPI-FAP06-003, "Millstone Unit 3 EAL Table"

NOTE

If an applicable category (column) is not found, the most applicable definition from the classification column should be utilized.

Attachment 5 describes offsite response and actions for each classification State Posture Code.

- b. Search the EAL table for applicable accident category (column) and review the possible initiating conditions from most to least severe (top to bottom).
- c. Review the remainder of the EAL table for other possible classification initiating conditions.
- d. IF the event involves an unplanned release, Refer To Attachment 3, "OU1-Determination Criteria," to determine the classification and notification requirements as appropriate.
 - 1) Notify the Unit Chemistry Supervisor to provide assistance in determining the magnitude of the release for OU1 determinations.
 - 2) Evaluate the magnitude of the release.
 - 3) IF a release has exceeded the specified limits, Go To step 2.1.2.e.

- e. Declare the emergency and record the classification decision and declaration time in the logbook.
- IF two or more initiating conditions are met within a single classification level, declare the emergency based on the EAL which appears most limiting to the personnel or plant safety.
 - IF two or more initiating conditions are met for several classification levels, declare the emergency based on the EAL for the highest classification level that applies.

NOTE

If a higher classification level is reached before SERO and Offsite notifications have been performed, the lower classification notification is halted and notification for the higher classification is then made.

- f. Direct the Shift Technician to Refer To EPI-FAP07, "Notifications and Communications," and initiate notifications, as appropriate.
- g. IF the event is classified as Unusual Event or higher, Refer To the following and perform the applicable steps for the event in progress.
- 1) EPI-FAP01-001, "Control Room Director of Station Emergency Operations (CR-DSEO)"
 - 2) EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)"
- 2.1.3 IF the event has been evaluated and is not addressed by the Emergency Action Level tables, Go To EPIP 4400A, "Non-Emergency Station Events."

2.2 Transitory Events

2.2.1 **IF** the currently declared event has abated to a lower classification level or the situation has been resolved **prior to completion** of off-site notifications:

a. For Unusual Event level emergencies:

- 1) Complete the initial notifications of SERO, State and NRC personnel noting that the initiating conditions no longer exist on the call-in message and notification forms.
- 2) Terminate the emergency and enter into Recovery (Section 2.3).

b. For Alert and higher level emergencies:

- 1) Complete the initial notifications of SERO, State and NRC personnel noting that the initiating conditions no longer exist on the call-in message and notification forms.
- 2) **IF** applicable, maintain the classification level until all facility activation activities are completed.
- 3) Terminate the emergency and enter into Recovery (Section 2.3).

NOTE

Event declarations are used to initiate notification processes and predefined response activities. Once an emergency has been declared, there is little to be gained from downgrading the classification level. Termination of the emergency and entry into Recovery is preferred over downgrading whenever possible.

2.2.2 **IF** an emergency declaration is found to be too conservative, it can be:

- a. Reclassified at the appropriate classification level once the immediate actions (onsite and offsite) have been conducted or controlled.
- b. Terminated into Recovery to initiate follow-up activities.

2.3 Emergency Termination and Transition to Recovery

Termination of the emergency and entry into Recovery enables the on-site and off-site response organizations to disband or reduce their staff and begin the process of returning to a normal mode of operation. Termination also signifies that the safety of the public, company employees and the plant is no longer jeopardized.

2.3.1 IF entering Recovery from an Unusual Event, determine the need for a Recovery Plan and support organization.

- a. Generally, the activities following an Unusual Event will not require the formation of a Recovery Organization or a transition period prior to event termination and entry into Recovery.
- b. Go To EPI-FAP14, "Recovery," for further guidance on the generation of required reports.

2.3.2 IF entering Recovery from an ALERT or higher classification level, complete EPI-FAP06-004, "Termination Checklist."

- a. If conditions will allow for the termination of the emergency and entry into Recovery, Go To EPI-FAP14, "Recovery."
- b. IF conditions do not support termination of the emergency and entry into Recovery, continue following the guidance provided in Section 2.1.

2.4 Plant Based Protective Action Recommendations (PARs)

- 2.4.1 Refer To EPI-FAP06-005, "Control Room Protective Action Recommendations" or EPI-FAP06-006, "EOF Protective Action Recommendations." to determine the proper PAR.
- 2.4.2 Evacuation of a 5 mile radius and 10 miles downwind (with sheltering of all other Subzones) will be recommended for plant conditions in which:
 - a. All three fission product barriers have been lost.
 - b. Containment Radiation Monitors reading:
 - 1) >19,000 R/Hr for Unit 2.
 - 2) >30,000 R/Hr for Unit 3.
 - c. EPA PAGs (≥ 1 Rem TEDE or ≥ 5 Rem CDE thyroid) are or are suspected to be exceeded beyond 5 miles.
- 2.4.3 Evacuation of a 5 mile radius and 10 miles downwind (with sheltering of all other Subzones) will be recommended for a General Emergency - Alpha declaration.
- 2.4.4 At a minimum, evacuation of a 2 mile radius and sheltering of all other Subzones will be recommended for a General Emergency - Bravo declaration.
- 2.4.5 IF a release is in progress:
 - a. Perform offsite dose assessment as soon as possible to determine if PAGs are exceeded and if additional Subzones require evacuation.
 - b. Add any Subzones requiring evacuation as determined by dose assessment to the plant based PARs.
- 2.4.6 IF no release is in progress:
 - a. Perform offsite dose projections on possible conditions as time permits to determine if PAGs could be exceeded.
 - b. Consider adding any Subzones requiring evacuation as determined by dose projection to the plant based PARs.

2.5 Dose Assessment Based Protective Action Recommendations (PARs)

NOTE:

Dose projections are not required to support the decision process in EPI-FAP06-005, "Control Room PARs" or EPI-FAP06-006, "EOF PARs."

- 2.5.1 From the Control Room: If a release is in progress and time permits, perform offsite dose assessment in accordance with EPI-FAP10 to determine whether the plant based protective actions are adequate.
- 2.5.2 From the Emergency Operations Facility: Conduct offsite dose assessment in accordance with EPI-FAP10 to determine whether the plant based protective actions are adequate.
- 2.5.3 In the event dose assessment results indicate the need to recommend actions beyond the outer EPZ boundaries, that is past 10 miles:
 - a. Dispatch RMTs to downwind areas to verify the calculated exposure rates prior to issuing PARs outside the EPZ.
 - b. Many assumptions exist in dose assessment calculations, involving both source term and meteorological factors, which make computer predictions over long distances highly questionable.
- 2.5.4 The ADEOF and the MRDA shall discuss dose assessment and projection analysis results and evaluate their applicability prior to issuing PARs to the State if possible.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 1)

Definitions

Event Category - A list of plant or other conditions used to organize the columns of the EAL tables (i.e. Loss of Power, Equipment Failure, Radiation Hazard, etc.)

Release in Progress - ANY radioactive release which is a result of, or associated with, the emergency event.

Significant Transient - Includes response to automatic or manually initiated functions such as trips, runbacks involving greater than 25% thermal power changes, ECCS injections, or thermal power oscillations of 10% or greater.

Transient - A condition that is:

- Beyond the expected steady-state fluctuations in temperature, pressure, power level or water level.
- Beyond the normal manipulations of the Control Room operating crew.
- Expected to require actuation of fast-acting automatic control or protection systems to bring the reactor to a new safe, steady state condition.

Abbreviations

EAL - Emergency Action Level

PAR - Protective Action Recommendation

Attachment 2 Responsibilities

(Sheet 1 of 1)

1. The Shift Manager/CRDSEO is responsible for assessing and classifying events and making PARS until relieved by the DSEO in the EOF.

Attachment 3

OU1-Determination Criteria

(Sheet 1 of 1)

Initiating Condition 1

Any airborne radioactive release that, when averaged over a period of 1 hour, results in concentrations in unrestricted areas that exceed 2 times the applicable concentration limits specified in 10 CFR 20 part 20.1-20.601, Appendix B or Table II, Column 1.*

Initiating Condition 2

Any liquid effluent release that when averaged over a time of 1 hour, exceeds 2 times the applicable concentration specified in Part 20 Appendix B Table 2 Column 2 at the point of entry into the receiving waters, (i.e., unrestricted area) for all radionuclides except tritium and dissolved noble gases.*

* Millstone uses the 1/1/92 version of 10 CFR 20 for radiological effluents.

Attachment 4 PAR Zone Descriptions

(Sheet 1 of 1)

Zone	Town	Area
A	Waterford	The western and southern boundaries follow the Niantic River out to the shoreline along the Long Island Sound. The eastern boundary follows the town line up to Route 1. The northern boundary follows Route 1 to the northern end of the Niantic River to the intersection of the town line.
	East Lyme	The eastern and southern boundaries follow the Niantic River out to the shoreline along the Long Island Sound. The western boundary follows the Lyme Town Line (Fourmile River) up to Interstate 95. The northern boundary follows Interstate 95 to interchange #75 (Route 1 exit) and then follows Route 1 to the intersection with the Waterford town line.
B	East Lyme	The southern boundary begins at the intersection of Interstate 95 and the Lyme town line. It follows Interstate 95 to interchange #75 (Route 1 exit). The northern boundary follows Route 1 to the intersection with the Lyme town line. The western boundary follows the Lyme town line to where it intersects with Interstate 95.
	Waterford	The southern boundary begins at the intersection of Route 1 and the town line of East Lyme at the northern end of the Niantic River. It then follows Route 1 to the New London town line. The eastern boundary follows the town line to Route 95. The northern boundary follows Route 95 to 85, along Route 85 to the intersection of Route 52, and then along Route 52 to the west town line. The western boundary follows the East Lyme town line down to where it intersects Route 1 at the north end of the Niantic River.
	New London	All of New London is contained in this Subzone.
C	East Lyme	The southern boundary follows Route 51 from the town line to Route 95 and Route 95 to the east town line. The eastern boundary follows the town line. The northern boundary follows the town line. The western boundary follows the town line down to Route 51.
	Waterford	The southern boundary follows Route 52 from the town line to the intersection of Route 85, Route 85 to Route 95, then along Route 95 to the town line. The eastern boundary follows the Thames River to the town line. The northern boundary follows the town line. The western boundary follows the town line to Route 52.
	Montville	The southern boundary follows the town line. The eastern boundary follows the waterline through Horton Cove to Route 32. The northern boundary follows Route 32 to Raymond Hill Road, Raymond Hill Road to Route 52, Route 52 to Route 163, Route 163 to Chesterfield Road, Chesterfield Road (including Oakdale Heights) to Route 85, Route 85 to the Salem town line, and the Salem town line to the East Lyme town line. The western town line follows the town line from East Lyme to Waterford.
D	Old Lyme	All of Old Lyme is contained in this Subzone.
	Lyme	The southern boundary follows the town line from Route 156. The eastern boundary follows the town line to Beaver Brook Road. The northern boundary follows Beaver Brook Road to the intersection of Route 156. The western boundary follows Route 156 to the town line.
E	Ledyard	The southern boundary follows the town line from the Thames River to Route 117. The eastern and northern boundaries follow Route 117 to Sandy Hollow Road, Sandy Hollow Road to Whalehead Road, Whalehead Road to the southern leg of the Tom Allyn Brook, and the Tom Allyn Brook to the Thames River. The western boundary follows the Thames River from the pond inlet north of Allyn Point down to the town line.
	Groton	All of Groton is contained in this Subzone.
F	Fishers Is.	All of Fishers Island is contained in this Subzone.
N/A	Plum Is.	All of Plum Island is contained in this Subzone.

Attachment 5
State and Local Posture Code Response and Protective Actions
(Sheet 1 of 1)

Unusual Event

Delta 1: Unusual occurrence with no unplanned release of radioactivity.

Offsite officials will make no public protective actions.

Delta 2: Unusual occurrence with an unplanned release of minute amounts of radioactivity.

Possible stand-by for key staff. Offsite officials will make no public protective actions.

Alert

Charlie 1: Actual or potential release of minute amounts of radioactivity.

Key staff on stand-by. Optional activation of the EOCs. Bring EAS to stand-by status. Consideration given to monitoring food, water, and milk pathways.

Site Area Emergency

Charlie 2: Actual or potential release of limited amounts of radioactivity.

Activation of the EOC. Coordinate activation of EAS and offsite sirens. Monitor food, water, and milk pathways. Consideration given to placing milk animals on stored feed.

General Emergency

Bravo: Events with a potential delayed release of relatively large amounts of radioactivity such as station blackout or loss of Control Room security.

Activation of the EOC (if not already done). Coordinate activation of EAS and offsite sirens. Evacuation of Zone 'A'. Shelter all other Zones. Control food, water, and milk.

Alpha: Actual or potential release of large amounts of radioactivity. Actual or potential breach in containment.

Activation of the EOC (if not already done). Coordinate activation of EAS and offsite sirens. Evacuation of Zones 'A' and 'B'. Shelter all other Zones. Assess the need to evacuate additional Zones. Control food, water, and milk.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP06-004 Rev. No.: 000 Minor Rev.: _____

Title: Classification and PARs

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>[Signature]</i>	9/27/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(g)	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
RCD	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/> D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/R/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12-21-00

10-11-00

Approval Date

12-21-00

Effective Date

Termination Checklist

- | | <u>True</u> | <u>False</u> | <u>N/A</u> |
|---|--------------------------|--------------------------|--------------------------|
| 1. Conditions no longer meet an Emergency Action Level and it appears unlikely that conditions will deteriorate. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| List any EAL(s) which is/are still exceeded and a justification as to why a state of emergency is no longer applicable: | | | |
| <hr/> | | | |
| <hr/> | | | |
| <hr/> | | | |
| <hr/> | | | |
| <hr/> | | | |
| 2. Plant releases of radioactive materials to the environment are under control (within Tech Specs) or have ceased and the potential for a uncontrolled radioactive release is acceptably low. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. The radioactive plume has dissipated and plume tracking is no longer required. The only environmental assessment activities in progress are those necessary to determine the extent of deposition resulting from passage of the plume. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. In-plant radiation levels are stable or decreasing, and acceptable given the plant conditions. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. The reactor is in a safe stable condition; that is, equipment status has been assessed and plant systems are in a stabilized or safe condition and long-term core cooling is available (plant conditions can be considered stable even if one or more fission product barriers is still lost). | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. The integrity of the Reactor Containment Building is within Technical Specification limits. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. The operability and integrity of radioactive waste systems, decontamination facilities, power supplies, electrical equipment and plant instrumentation including radiation monitoring equipment is acceptable. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- | | <u>True</u> | <u>False</u> | <u>N/A</u> |
|--|--------------------------|--------------------------|--------------------------|
| 8. Any fire, flood, earthquake or similar emergency condition or threat to security no longer exists. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. All required notifications have been made. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Offsite conditions do not unreasonably limit access of outside support to the station and qualified personnel and support services are available. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Discussions have been held with Federal and State agencies and agreement has been reached and coordination established to terminate the emergency. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

It is not necessary that all responses listed above be 'TRUE'; however, all items must be considered prior to event termination and entry into Recovery. For example, it is possible that some conditions remain which exceed an Emergency Action Level following a severe accident but entry into Recovery is appropriate. Additionally, other significant items not included on this list may warrant consideration such as severe weather.

Comments:

DSEO Approval: _____ Date/Time: _____

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP06 - 005 Rev. No.: 000 Minor Rev.: _____

Title: **Classification and PARs**

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>[Signature]</i>	9/27/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54 (q) <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Independent <input checked="" type="checkbox"/>	D. Emborsky	<i>[Signature]</i>	10/2/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

[Signature] 10/2/00
SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/PORC/RI/DH Final Review and Approval

[Signature] 10/4/00
Department Head/Responsible Individual / Date

Meeting No.: 0030

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00

Approval Date

12/21/00

Effective Date

Control Room Protective Action Recommendations

NOTE

The State must be notified within 15 minutes after a decision is made to issue or update PARs. Prior to State EOC activation:

- If a General Emergency BRAVO is declared, State officials automatically implement a PAR to evacuate a 2 mile radius. The Incident Report Form serves as PAR notification in this instance.
- If a General Emergency ALPHA is declared with actions only necessary out to 5 miles, State officials automatically implement a PAR to evacuate a 5 mile radius. The Incident Report Form serves as PAR notification in this instance.
- If a General Emergency ALPHA is declared with actions necessary out to 10 miles, PARs are verbally transmitted to the 24 hour DEP Dispatcher in Hartford.

Section A: Evaluating Protective Action Recommendations (PARs)

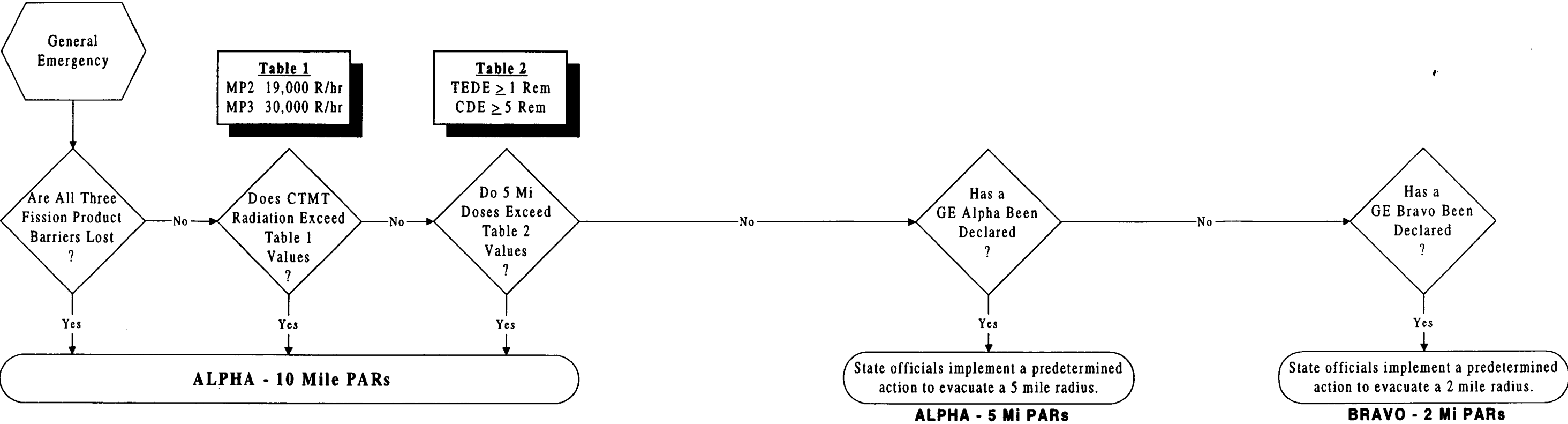
- ☐ 1. Refer To Section B, "CR PAR Process Flowchart" and determine the appropriate PAR.
- 2. IF PARs are warranted out to ten miles perform the following:
 - ☐ a) Record the current wind direction in degrees (from): _____
 - ☐ b) Check the appropriate row on the PAR table.
- 3. Perform PAR notification as follows:
 - ☐ a) IF conditions **do not** warrant PARs out to 10 miles, transmit the Incident Report Form to serve as notification of necessary PARs.
 - ☐ b) IF conditions **do** warrant PARs out to 10 miles, verbally transmit PARs to the DEP Dispatcher in Hartford as follows:
 - (1) Contact the DEP Dispatcher in Hartford (number is in EPUG-08B).
 - (2) Identify yourself and read the applicable EVACUATE and SHELTER recommendations from Section B, "ALPHA - 10 Mile PARs."
 - (3) Request the dispatcher inform the DEP Duty Officer that a PAR has been issued.
 - (4) Log the date and time of notification.

NOTE

The DEP Duty Officer will call back to verify the PAR and obtain additional information relative to public safety.

- ☐ 3. IF necessary, Refer To and review EPI-FAP06 Att 4, "PAR Zone Descriptions."

Section B: Control Room PAR Process Flowchart



1. EVACUATE THE FOLLOWING ZONES

✓	Wind	Zones to Evacuate
	030°-051°	A and B
	052°-088°	A and B and Old Lyme in D
	089°-093°	A and B and D
	094°-138°	A and B and D and East Lyme in C
	139°-154°	A and B and C and Lyme in D
	155°-177°	A and B and C
	178°-186°	A and B and Montville and Waterford in C
	187°-193°	A and B and Montville and Waterford in C and Ledyard in E
	194°-218°	A and B and E and Montville and Waterford in C
	219°-229°	A and B and E and Waterford in C
	230°-244°	A and B and E
	245°-257°	A and B and Groton City & Town in E
	258°-286°	A and B and F and Groton City & town in E
	287°-316°	A and B and F
	317°-339°	A and B
	340°-029°	A and B and Plum Island

2. SHELTER ALL OTHER ZONES

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP07 Rev. No.: 000 Minor Rev.: _____

Title: Notifications and Communications

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M Maryeski</i>	<i>9/13/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SC. 54(q)	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ **SQR Program Final Review and Approval**

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ **SORC/PORC/RI/DH Final Review and Approval**

SA *9/26/00*
Department Head/Responsible Individual / Date

Meeting No.: *00-30*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

**Functional
Administrative
Procedure**



Notifications and Communications

MP-26-EPI-FAP07

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

Table of Contents

1. PURPOSE

1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	2

2. INSTRUCTIONS

2.1 Nuclear Incident Report Form (IRF) Radiopager Notification	4
2.2 Callback Verification	7
2.3 NRC Notifications	9
2.4 Additional Notifications	10
2.5 Sending Additional IRF Messages	11
2.6 System Restoration and Administrative Actions	12
2.7 Backup Remote Operations	14
2.8 ENRS Failure	15
2.9 ENS Failure	17
2.10 Switching Telephone Lines	18

3. SUMMARY OF CHANGES

3.1 Original issue	20
--------------------------	----

4. ATTACHMENTS AND FORMS

Attachment 1 Definitions and Abbreviations	21
Attachment 2 Responsibilities	23
Attachment 3 Notification Locations	24
Attachment 4 Unit Event Backup Codes	25
Attachment 5 Notification and Callback Guidance	26
MP-26-EPI-FAP07-001, "Nuclear Incident Report Form (IRF)"	
MP-26-EPI-FAP07-002, "NRC Notification Checklist"	
MP-26-EPI-FAP07-003, "NRC Event Notification Form"	

1. PURPOSE

1.1 Objective

Provide guidance to the Shift Technician, or other qualified ENRS operator, for performing prompt notifications of reportable events classified as NRC and State Posture Code emergency events.

1.2 Applicability

Conditions exist which have been assessed by the Shift Manager/DSEO and classified as an emergency.

Conditions have been stabilized and the DSEO is preparing to terminate the emergency and enter into Recovery.

1.3 Supporting Documents

EPI-FAP06, "Classification and PARs"

EPUG-08B, "Millstone Emergency Plan Resource Book"

1.4 Discussion

This procedure ensures timely completion of the following, in descending order of priority:

- Notification of the State of Connecticut Department of Environmental Protection (DEP)
- Notification of other offsite entities (i.e., Local, State)
- Notification of the NRC
- Performance of additional notifications (Information Technology, ANI, etc.)
- Performance of administrative actions

Reporting time limits for NRC and State Posture Code emergency events are as follows:

- Regulations require that notification to CT State DEP, Division of Radiation, and to the local officials shall be accomplished within 15 minutes of an emergency event classification (e.g., Unusual Event and above).
- NRC regulations require the licensee to notify the NRC immediately after notification of state and local agencies, but not later than one hour after declaration of an emergency classification.

In situations involving multiple events at different units, the event classification reported shall reflect the most severe event. For example, if Unit 2 is experiencing an Alert (Charlie-One) event and Unit 3 is experiencing a Site Area Emergency (Charlie-Two) event, the event shall be reported as a Site Area Emergency (Charlie-Two) event. The lesser event shall be reported in an update radiopager message. Both events shall be reported to the NRC via the ENS.

The IRF is processed with the "Additional Information" section being filled in and recorded.

If an IRF is to be released with the "Additional Information" (incident description) section entered and recorded, and the circumstances or conditions which caused the report have already been corrected, only one IRF is required. The following applies:

- The event is self terminating with the release of the initial IRF.
- The "A further report will not be given" block shall be checked.

For events that activate the SERO, the on-shift Unit 3 Shift Technician may be relieved of notification responsibilities by an on-call Shift Technician in the EOF. In this case, a formal turnover of notification responsibilities from the control room to the EOF is required.

Emergency notification responsibilities of the Unit 3 Shift Technician may be delegated to another qualified ENRS operator.

Definitions and abbreviation are contained in Attachment 1.

Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Nuclear Incident Report Form (IRF) Radiopager Notification

2.1.1 Log onto the ENRS terminal.

2.1.2 Complete a written copy of EPI-FAP07-001, "Nuclear Incident Report Form (IRF)."

NOTE

1. Meteorological data is available from SPDS or OFIS.
2. If the release pathway is unknown, the Met Tower 142' elevation data should be used.
3. The CR-DSEO or the ADEOF should be consulted for the appropriate Met data for the release path.

2.1.3 Enter meteorological data as follows:

- IF data is available, verify the appropriate Met Tower level reading is being used and enter data in "Current Site Wind" and "Forecast Site Wind" sections.
- IF data is not available, enter NA in the "Current Site Wind" and "Forecast Site Wind" sections.

2.1.4 Obtain DSEO authorization signature on the written IRF.

2.1.5 Open "RapidReach Primary" folder and "RapidReach" icon.

2.1.6 At "RapidReach Login" screen, select user ID and enter the password.

2.1.7 Open "EasyView" icon.

2.1.8 At "EasyView Login" screen, select user ID and enter the password.

2.1.9 IF ENRS primary is not operable, Refer To Section 2.7 and perform backup or remote operation.

2.1.10 Enter IRF data, as follows:

- a. Open "IRF" form.
- b. Using the completed EPI-FAP07-001, enter the information into IRF template.
- c. Print IRF and verify information is correct.

2.1.11 Obtain DSEO initials on the IRF printout.

2.1.12 Save IRF as follows:

- a. Select "File" and "Print."

NOTE

Saving the IRF form to "Print-2-Image" attaches the fax to the radiopager message.

- b. Select "Print-2-Image."
- c. At the "Selection Configuration" box, select appropriate setup.
- d. At the "Select Message to Fax" screen, select "Root" tree.
- e. At the "Root" tree, select appropriate message (e.g., Emergency Call-Outs, etc.).

2.1.13 Record IRF data, as follows:

- a. Maximize "RapidReach" screen.
- b. Select "microphone" icon ("Show Message Window").
- c. At "Root" tree, select "Informational Message."
- d. At "Audio Message" screen, select "microphone" icon.
- e. Record entire IRF.
- f. Verify recorded information is satisfactory and select "OK."

2.1.14 Transmit IRF message as follows:

- a. At "Root" tree, select appropriate message.
- b. Listen to the "Alpha Pager Message" and verify information is correct (message may be recorded again, if necessary).
- c. Maximize "EasyView" screen and select appropriate scenario.
- d. Select the lightning bolt icon.
- e. Select "Set Common Message."
- f. At "Root" tree, select appropriate message (e.g., Emergency Call-Outs, etc.).

C A U T I O N

Failure to select the correct scenario (i.e., classification or group page) may result in unwarranted activation or the release of misinformation.

The scenario and message must be read and verified before selecting the "Start" button.

- g. Stop and verify scenario and message are accurate.
- h. At "Start of Scenario" screen, select "Start."

NOTE

Attachment 3, "Notification Locations," provides information on which individuals and agencies are notified.

2.1.15 Verify radiopager sent, as follows:

- a. Monitor the "RapidReach Overview" screen and select the most recent scenario number from call-out grid box (the top box) to verify appropriate groups or individuals have been paged.
- b. Verify that the page message was sent to the control room console pager.
- c. IF no responders call in within 5 minutes after release of the message, consider the transmission as failed and Refer To Section 2.8, "ENRS Failure."
- d. Monitor "EasyView" and "RapidReach" screens as positions call back acknowledging page.
- e. Verify fax is received in respective control room or EOF, as applicable.
- f. At "Overview" screen, print "Groups-in-Call-Out" callback verification report.
- g. IF SERO is activated, fax initial CV report (SERO results) to the MOR.
- h. IF call-out is complete or a new call-out needs to be initiated, select the red traffic light in "EasyView" to deactivate the call-out process.

2.1.16 IF ENRS is not operable, Refer To Section 2.8, "ENRS Failure," and EPUG 08B, "Millstone Emergency Plan Resource Book," Section "Off-Site Town/Agencies," and manually fax notifications to state and local officials.

2.2 Callback Verification

NOTE

Attachment 5, "Notification and Callback Guidance," provides guidance for verification of required actions.

2.2.1 **IF** the following have not called in, attempt callback verification within approximately 15 minutes after event message has been transmitted:

- State of Connecticut DEP Dispatch
- State and local responders

NOTE

Callback verification via printed CV report can not be performed from a "client" server if the radiopager message was transmitted via "EasyView Remote." This information can be obtained from Building 475 server or EOF phone server only. (IT assistance required)

2.2.2 Print CV report (i.e., report by group) to document callback responses.

2.2.3 Refer To CV report and perform the following:

- a. Document non-responders.

NOTE

Only one attempt is required for a UE backup notification.

6379 is the group RADIOPAGER number for State/Local pagers.

- b. Refer to EPUG-08B and attempt one backup notification of non-responders.

- c. **IF** event is ALERT or higher and non-responders cannot be reached, perform the following:

- 1) Contact State Police Barracks Dispatcher (Troop E)
- 2) Request immediate assistance in notifying non-responders.
- 3) Request police confirm response to the message.

- d. Perform backup notifications.

2.2.4 Print copy of SERO CV report only and fax to EOF.

2.2.5 Print the final ENRS CV report when initial and backup notifications have been completed.

2.3 NRC Notifications

NOTE

State of Connecticut posture codes, (e.g., Delta-One, etc.) shall not be used when notifying the NRC of reportable events.

It is good practice to notify the NRC of the next planned report, e.g., one hour.

- 2.3.1 Record applicable information for an event on EPI-FAP07-003, "NRC Event Notification Form."
- 2.3.2 Refer To and complete EPI-FAP07-002, "NRC Notification Checklist."
- 2.3.3 IF ENS is *not* operable, go to Section 2.9, "ENS Failure."

2.4 Additional Notifications

2.4.1 IF Alert or higher, Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and perform the following:

- a. Direct Information Technology (IT) in the Wethersfield Data Center to activate the Emergency Response Data System (ERDS) and configure ERDS for the applicable unit.

NOTE

The computer operator or Network Control Technician on duty in the Wethersfield Data Center may request the following Code Phrases when directed to activate ERDS:

Code 1: Nuclear Emergency

Code 2: Nuclear Exercise

Code 3: Nuclear Drill

Code 4: Millstone or NRC request

- b. Provide applicable Code Phrase for the event.

2.4.2 Notify American Nuclear Insurers (ANI).

2.5 Sending Additional IRF Messages

NOTE

The following “scenario message” should be used if SERO is activated and additional messages are required, including the event termination message, because the SERO is not required to call in once activated.

“SERO ACTIVATED – SEND ADD’L MESSAGES”

This scenario was designed to page BOTH groups (State and Local Officials and SERO) but only requires state and local officials to call in.

2.5.1 IF any of the following conditions occur, Refer To step 2.1.2 and perform notifications:

- SERO is activated and additional messages are required. Select the “SERO Activated – Send Add’l Messages,” scenario.
- Update or reclassification notifications are directed.
- The emergency has been terminated and was not closed out in initial report.

2.5.2 IF all existing events have been terminated and callback verifications have been completed, perform the following:

- a. Refer To Section 2.6 and restore ENRS general default message.
- b. Perform ENRS log-off.

2.6 System Restoration and Administrative Actions

2.6.1 Ensure all CV reports are finished.

2.6.2 IF all existing events have been terminated and callback verifications are complete, restore general default as follows:

- a. Select "RapidReach."
- b. Select "microphone" icon. ("Show Message Window")
- c. At "Root" tree, select "Informational Message."
- d. At "Audio Message" screen, select "microphone" icon.
- e. Record the following message:

"There is no information presently available for Millstone Station."
- f. Verify recorded information is satisfactory and select "OK."
- g. From "Root" tree, select event message used ("Emergency Call-Outs," etc.).
- h. Select red minus button in fax box on lower right of screen.
- i. Select "Yes" to delete and observe "Same as alpha pager" in fax message box.
- j. Close the following:
 - 1) "RapidReach"
 - 2) "EasyView"
 - 3) "IRF" word document

2.6.3 Review IRFs and verify appropriate termination message has been issued.

2.6.4 Obtain original of the following documents for the applicable unit control room:

- EPI-FAP07-001, "Nuclear Incident Report Form (IRF)," and printout.
- EPI-FAP07-002, "NRC Notification Checklist," as applicable.
- EPI-FAP07-003, "NRC Event Notification Form."
- ENRS callback verification report printout (CV report).
- Any other completed attachments.

2.6.5 Send copies of the following documents to the Manager, Emergency Planning Services:

- EPI-FAP07-001, "Nuclear Incident Report Form (IRF)" and printout.
- EPI-FAP07-002, "NRC Notification Checklist," as applicable.
- EPI-FAP07-003, "NRC Event Notification Form"
- ENRS callback verification report printout (CV report)
- Any other completed attachments
- Condition Report (if applicable)
- Log entries, as applicable

2.7 Backup and Remote Operation

- 2.7.1 **IF** “RapidReach Primary” does not connect, open “RapidReach Backup.”
- 2.7.2 **IF** “RapidReach Backup” connects, Refer To Section 2.10, “Switching Telephone Lines,” and transfer the phones.
- 2.7.3 **IF** “RapidReach Backup” connects and phone lines transfer correctly, go to Section 2.1, and perform the same steps as for “RapidReach Primary” using “RapidReach Backup” and “EasyView Backup.”

NOTE

If unable to connect to either the primary or backup via the LAN, “RapidReach” may not be used to fax or record the IRF into the “Informational Message.” Faxes must then be sent via the SNET Faxworks. If time permits, it is preferable to use “EasyView Remote” to allow State and local officials and SERO to call in and provide a graphical display of the positions being filled.

- 2.7.4 **IF** “RapidReach Backup” using LAN does not connect (leaving the phone lines in primary), select the icon labeled “Modem to Primary Server.”
- 2.7.5 **IF** the connection is made, select “EasyView Remote” from the “RapidReach Primary” folder and perform the following:
 - a. Select a message
 - b. Select a scenario
 - c. Select “Start”
- 2.7.6 **IF** “EasyView Remote Primary” does *not* connect, open “RapidReach Backup” folder and select the icon labeled “Backup to EOF.”
- 2.7.7 **IF** the connection is made, open “EasyView Remote” from the “RapidReach Backup” folder and perform the following:
 - a. Refer To Section 2.10 and transfer the phones from primary to secondary server.
 - b. Select a message.
 - c. Select a scenario.
 - d. Select “Start.”
 - e. Go to step 2.8.3, and distribute IRF via SNET Faxworks.
- 2.7.8 **IF** no connection is made, go to Section 2.8 and notify Security.

2.8 ENRS Failure

2.8.1 Notify SAS to transmit a text message to both State and local officials and SERO responders to include the following:

- [Applicable unit] [NRC Classification] [State Posture code] [Major EAL heading] [Minor EAL heading (code)] "Report to facility."
- Example: [MP3] [GE] [Alpha] [Barrier failure] [BG1] "Report to facility."

2.8.2 IF SAS is not able to assist, perform the following:

- a. Dial corporate paging system using confidential group page codes for the State and Local Officials and the SERO.
- b. When prompted, enter the password.
- c. Refer To Attachment 4, "Unit Event Backup Codes," and enter numeric backup event code.

NOTE

This section is performed *only* when ENRS has failed or radiopager transmission was performed via "EasyView Remote."

A fax cover sheet is not required when distributing the IRF via SNET FaxWorks.

2.8.3 Distribute IRF via SNET FaxWorks as follows:

- a. IF SNET FaxWorks is not operable, Refer To EPUG 08B, "Offsite Towns/Agencies," and manually fax notification to State and local officials.
- b. Place completed IRF in telecopier feeder tray.
- c. Lift handset connected to fax machine, and enter SNET FaxWorks telephone number.
- d. When prompted for password, enter SNET FaxWorks password followed by and asterisk (*).
- e. When prompted, enter "1" to send a fax.
- f. When prompted for choice of fax transmission schedule, enter "1" for immediate dispatch.
- g. When prompted for destination or distribution list number, enter "002" followed by an asterisk (*).

- h. When prompted for next destination, enter pound key (#) to indicate there are no more destinations.
 - i. When a steady fax tone is heard, press the "Start" button on the telecopier.
 - j. Hang up handset of fax machine.
- 2.8.4 Verify all required call-in radiopager holders have received the radiopager message and fax as follows:
- a. Document non-responders.

NOTE

Only one attempt is required for a UE backup notification.

6379 is the group RADIOPAGER number for State/Local pagers.

- b. Refer to EPUG-08B and attempt one backup notification of non-responders.
 - c. IF event is ALERT or higher and non-responders cannot be reached, perform the following:
 - 1) Contact State Police Barracks Dispatcher (Troop E)
 - 2) Request immediate assistance in notifying non-responders.
 - 3) Request police confirm response to the message.
 - d. Perform backup notifications.
- 2.8.5 Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify Information Technology of ENRS failure.
- 2.8.6 Refer To EPI-FAP07-002, "NRC Notification Checklist," and ensure NRC notifications have been performed.

2.9 ENS Failure

NOTE

This section is performed only when dedicated ENS lines have failed.

In an emergency, with loss of other communications, the state or local police may be contacted by radio and requested to place a call to the NRC.

2.9.1 IF ENS has failed, select one of the following methods, as applicable:

- Commercial telephone line
- Trunk line to Corporate exchange
- Cellular telephone (station management or personal vehicle)
- Radio (state or local police to place call)

2.9.2 Obtain NRC Operations Center number from one of the following:

- Label on ENS telephone
- EPI-FAP07-002, "NRC Notification Checklist"
- EPUG 08B, "Millstone Emergency Plan Resource Book"
- Other listing or directory assistance (alternate number)

2.9.3 When NRC is contacted, provide the following information:

- a. ENS is not operable
- b. Information recorded in EPI-FAP07-003, "NRC Event Notification Form"
- c. IF event is being terminated via the report, notice of event termination.

2.9.4 Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify telecommunications personnel (not on-call) of ENS failure.

2.9.5 Log NRC communications.

2.10 Switching Telephone Lines

NOTE

If the ENRS primary phone server is down, a communication failure has occurred. Telephone lines will need to be switched to the secondary phone server.

2.10.1 Switching the Phone Server from Primary to Secondary

- a. Lift the dedicated ENRS handset.
- b. Press position “g” (blue button) labeled “Press for SERO Transfer.”
- c. Dial “2724.”
- d. Wait for confirmation tone (3 beeps).
- e. IF confirmation tone is *not* heard, go to step 2.10.1.a.

NOTE

The light will stay on to indicate the successful transfer of telephone lines.

- f. Hang up the handset and observe light on position “g” (blue button) illuminates, indicating transfer of SERO telephone lines.
- g. Lift the dedicated ENRS handset again.
- h. Press position “i” (red button) labeled, “Press for Transfer of State/Local to Back-up” and observe the following:
 - Light on position “i” (red button) will illuminate for a few seconds and then turn off.
 - Light on position “h” (yellow button) labeled, “Light ‘ON’ State/Local on Backup,” will illuminate and stay on, indicating a transfer of State/Local lines.
- i. Hang up the handset.
- j. IF either OR both lights fail to illuminate, go to step 2.10.1.h.

NOTE

If the ENRS phone server is on the secondary system, green lights will be illuminated on the telephone.

2.10.2 Restoring the Phone Server from Secondary to Primary

- a. Press position “g” (blue button) labeled “Press for SERO Transfer.”
- b. Observe that the light on position “g” (blue button) is not lit, indicating transfer of SERO lines.

2.10.3 Restoring the State/Local Lines to the Primary Server

- a. Lift the dedicated ENRS handset.
- b. Press position “j” (green button) labeled “Press to Restore State/Local to Primary” and observe the following:
 - Light on position “j” (green button) labeled “Press to Restore State/Local to Primary” is lit.

NOTE

Lights on position “h” and position “j” will go out after illumination.

- Light on position “h” (yellow button) labeled “Light ‘ON’ State/Local on Backup” is not lit.
- Light on position “j” (green button) labeled “Press to Restore State/Local to Primary” is not lit.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 2)

Definitions

Deactivate - To place a system, component, or organization in an inactive condition.

Incident Description - "Additional Information" section of the Incident Report Form (IRF) providing a simple description of the event.

Immediate Notification - Notification to the NRC of emergency, not to exceed 60 minutes of state verification.

Initial Report - The first notification to the NRC, State and Local Officials and Agencies, and applicable personnel that reports an NRC classification and State Posture Code emergency event.

Lead Unit - The unit which assumes classification responsibilities for reportable events. The lead unit may be any of the following:

- In unit specific events, the affected unit (For a Unit 1 event, Unit 2 is the lead unit until the DSEO and ADTS arrive).
- For non-unit specific events, (i.e., station security, hurricane, earthquake, fitness for duty, etc.) Unit 3 is the lead unit, unless otherwise designated.
- In situations involving multiple events, the unit experiencing the most severe event has the lead.
- For non-unit specific events (i.e., hurricane, earthquake, etc.), Unit 3 is the lead unit.
- A non-affected unit may be requested to assume the lead by the affected unit (e.g., loss of control room habitability).

Notification Time - The time at which the IRF message is released (reported on).

Prompt Notification - The official notification of State and Local Officials and Agencies is within 15 minutes following initial classification; official notification of the NRC is as soon as possible, but within 60 minutes of State notification via the ENS; and for reclassification of an NRC and State Posture Code emergency event. [State 22a-135-1]

Reclassification Report - A prompt notification, subsequent to the initial report, to State and Local Officials and Agencies, the NRC, and applicable personnel that reports an escalation or de-escalation of event classification relative to the previous report.

Attachment 1

Definitions and Abbreviations

(Sheet 2 of 2)

Termination Report - The final notification to State and Local Officials and Agencies, the NRC, and applicable personnel that reports termination of the event. For Unusual Event (Delta-Two) or lower events, the initial report may also serve as the termination report if the event has been corrected in time for the initial report or has self-terminated. The "Additional Information" section shall be completed in these instances with a termination message.

Update Report - A notification, subsequent to the initial report, to State and Local Officials and Agencies, the NRC, and applicable personnel, that reports additional information on the event, but does not escalate or de-escalate classification of the event. The Update Report is issued approximately 60 minutes after the Initial or Reclassification Report.

Abbreviations

ADEOF - Assistant Director Emergency Operations Facility

CV - Callback Verification

SM - Shift Manager

UE - Unusual Event

Attachment 2 Responsibilities

(Sheet 1 of 1)

1. The CR-DSEO is responsible for directing the Shift Technician (ST) to complete notifications and approving Incident Report Forms (IRFs) until relieved by the DSEO.
2. The ST is responsible for completing off-site notifications.
3. After the EOF has been activated, the DSEO is responsible for approving completed IRFs; the Manager of Communications (MOC) is responsible for NRC communications; and the Assistant Director of Emergency Operations Facility (ADEOF) is responsible for directing the on-call ST to update and terminate off-site notifications.

Attachment 3

Notification Locations

(Sheet 1 of 1)

Scenario: Unusual Event

Who is Paged: SERO
State and Local Officials (all)

Who is Faxed: State and Local Officials (all)
Unit 2 & 3 Control Rooms

Who is Called (automatic): NNM, MRDA, MPI, all Unit ADTSS
New London, Ledyard

Who Should Call-In: 14 required S&L Officials
NNM, MRDA, MPI, all Unit ADTSS

Scenario: Alert, Site Area Emergency, and General Emergency

Who is Paged: SERO
State and Local Officials (all)

Who is Faxed: State and Local Officials (all)
Unit 2 & 3 Control Room

Who is Called (automatic): New London, Ledyard
SERO (after 15 minutes)

Who Should Call-In: 14 required State and Local Officials
SERO (all)

Attachment 4

Unit Event Backup Codes

(Sheet 1 of 1)

NOTE

If a Unit Event Backup Code notification (e.g., ID 101, 201, 301) is received, ENRS has failed.

Personnel on-call, or subject to call must immediately report to their emergency response facility for an Alert or higher classification. Table 1 indicates the event and unit involved for each designated code. For an Unusual Event, no call-in is required, however, personnel should standing by for further information.

Table 1: Unit Event Backup Codes

Event	Unit 1	Unit 2	Unit 3
Unusual Event	101	201	301
Alert	102	202	302
Site Area Emergency	N/A	203	303
General Emergency	N/A	303	403
Drill-Come In	777	777	777
Drill-Call In	888	888	888

Attachment 5 Notification and Callback Guidance

(Sheet 1 of 1)

ACTION (✓ = Required)	CLASSIFICATION			
	UE (Delta-1, 2)	ALERT (Charlie 1)	SAE (Charlie 2)	GE (Bravo) (Alpha)
<u>Nuclear IRE:</u>				
• Enter current meteorological data	✓	✓	✓	✓
• Enter "Additional Information" in first message	(a)			
• Enter "Additional Information" in update	✓	✓	✓	✓
• Issue termination in first message	✓(a)			
• Issue termination in update message	✓	✓	✓	✓
<u>CALLBACK/BACKUP NOTIFICATIONS</u>				
• Radiopager (EPI-07-03)	✓	✓	✓	✓
• REQUEST State Police call non-responding towns (EPI-07-03)	✓	✓	✓	✓
		✓	✓	✓
<u>OTHER:</u>				
• ENS notification to NRC (b)	✓	✓	✓	✓
• NRC Resident notification	✓	✓	✓	✓

NOTES:

- a. An Unusual Event (Delta-One or Delta-Two) may be terminated in the initial report if additional information has been reported.
- b. Due to notification to State of CT DEP.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP07-001 Rev. No.: 000 Minor Rev.: _____

Title: **Notifications and Communications**

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:>

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	9/12/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M Maryeski</i>	9/13/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54(q) <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	9/12/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	9/12/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	9/12/00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/EPSP/R/DH Final Review and Approval

Dr. Apple 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00-30

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: 12/21/00

10/11/00
Approval Date

12/21/00
Effective Date

Nuclear Incident Report Form (IRF)

- Please Check Appropriate Boxes -

1	IRF #		
2	This report concerns an incident at: <input type="checkbox"/> Millstone Site <input type="checkbox"/> Millstone Unit 1 <input type="checkbox"/> Millstone Unit 2 <input type="checkbox"/> Millstone Unit 3		
3	This is: <input type="checkbox"/> NOT a Drill <input type="checkbox"/> A Drill-Report <input type="checkbox"/> A Drill-Not Report <input type="checkbox"/> A Utility Drill-Report <input type="checkbox"/> A Utility Drill-Not Report		This is: <input type="checkbox"/> NOT an Update <input type="checkbox"/> An Update
4	I N C I D E N T C L A S S This is: <input type="checkbox"/> A Communications Drill <input type="checkbox"/> A Radioactive Materials Incident <input type="checkbox"/> A General Interest Event <input type="checkbox"/> An Unusual Event <input type="checkbox"/> An Alert <input type="checkbox"/> A Site Area Emergency <input type="checkbox"/> A General Emergency	P O S T U R E C O D E	<input type="checkbox"/> A Communications Drill <input type="checkbox"/> Golf <input type="checkbox"/> Fox <input type="checkbox"/> Echo <input type="checkbox"/> Delta-One (No radiological release) <input type="checkbox"/> Delta-Two (Rad Release) <input type="checkbox"/> Charlie-One <input type="checkbox"/> Charlie-Two <input type="checkbox"/> Bravo <input type="checkbox"/> Alpha
5	The event was classified on: Date _____ At _____ (Use military time) hrs		
6	The event involves: <input type="checkbox"/> No Release of radioactivity <input type="checkbox"/> Potential Release of radioactivity <input type="checkbox"/> Ongoing Release of radioactivity <input type="checkbox"/> Terminated Release of radioactivity		
7	Current Site Wind: At _____ hours (military time) wind at the site is from _____ into the _____ at _____ MPH (In degrees) (In degrees) <input type="checkbox"/> Meteorological data is unavailable at this time.		
8	Forecast Site Wind: <input type="checkbox"/> Not applicable (Type NA) <input type="checkbox"/> The wind is expected to shift at _____ hours (military time) and blow from the _____ into the _____ at MPH. (In degrees) (In degrees)		
9	The Plant Status is: <input type="checkbox"/> Stable <input type="checkbox"/> Degrading <input type="checkbox"/> Improving <input type="checkbox"/> Unchanged since last report		
10	Access to the site: <input type="checkbox"/> Has been restricted <input type="checkbox"/> Has not been restricted		
11	The following offsite services have been requested: <input type="checkbox"/> Police <input type="checkbox"/> Fire <input type="checkbox"/> Ambulance <input type="checkbox"/> None <input type="checkbox"/> Other		
12	A further report: <input type="checkbox"/> Will be given <input type="checkbox"/> Will not be given		
13	Additional information: Major EAL Heading: _____ Minor EAL Heading: _____		
14	Name: (Person filling out report)		
15	Authorization Signature (DSEO) for release of message:	Date:	Time:
16	And is being reported on: Date/Time: _____		

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP07-002 Rev. No.: 000 Minor Rev.: _____

Title: Notifications and Communications

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSP document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.:→

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide <input checked="" type="checkbox"/>	M. Maryeski	<i>M Maryeski</i>	<i>9/13/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
SO. 54(g) <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent <input checked="" type="checkbox"/>	K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/BORC/RVDH Final Review and Approval

SA *9/26/00*
Department Head/Responsible Individual / Date

Meeting No.: *00-30*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date: *12/21/00*

10/11/00

Approval Date

12/21/00

Effective Date

NRC Notification Checklist

Date: _____ IRF No. _____

Part I

1. Attempt once to notify the NRC Resident Inspector(s) using any of the following:

- NRC Resident's radiopager
- Applicable unit Resident Inspector's office or home telephone number
- Non-applicable unit Resident Inspector's office or home telephone number

Date: _____ Time: _____ notified.

2. IF not able to contact the NRC Resident Inspector, notify the NRC Operations Center of inability to reach the Resident Inspector.

Part II

1. Refer to EPUG 08B and notify the NRC Operations Center via ENS line or fax.
2. Provide information recorded on EPI-FAP07-004 to the NRC.
Date: _____ Time: _____ notified.
3. Attach this form to the Nuclear Incident Report Form (IRF).
4. Log NRC communications.

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP07-003 Rev. No.: 000 Minor Rev.: _____

Title: Notifications and Communications

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC
Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

R/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M Maryeski</i>	<i>9/13/00</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
50.54(q)	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	<i>9/12/00</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SORC/PORC/R/DH Final Review and Approval

SA *9/26/00*
Department Head/Responsible Individual / Date

Meeting No.: *00:30*

[Signature]
Approval Signature

10/11/00
Approval Date

Effective Date:

10/11/00
Approval Date

12/21/00
Effective Date

NRC Event Notification Form

NRC EVENT NUMBER: _____ NRC CONTACT NAME: _____

NOTIFICATION TIME	FACILITY NAME	UNIT	CALLER'S NAME	TELEPHONE NUMBER ()
-------------------	---------------	------	---------------	-------------------------

EVENT TIME (EST OR EDT)	EVENT DATE or IRF#	POWER (%) and MODE BEFORE	POWER (%) and MODE AFTER
-------------------------	--------------------	---------------------------	--------------------------

EVENT CLASSIFICATION		1-Hr Non-Emergency 10CFR 50.72 (b)(1)	4-Hr Non-Emergency 10CFR 50.72 (b)(2)
GENERAL EMERGENCY		Not Applicable Below This Line	Not Applicable Below This Line
SITE AREA EMERGENCY		(i)(A) TS Required S/D	(i) Degrade While S/D
ALERT		(i)(B) TS Deviation	(ii) RPS Actuation (SCRAM)
UNUSUAL EVENT		(ii) Degraded Condition	(ii) ESF Actuation
Not Applicable Below This Line		(ii)(A) Unanalyzed Condition	(iii)(A) Safe S/D Capability
50.72 NON-EMERGENCY		(ii)(B) Outside Design Basis	(iii)(B) RHR Capability
PHYSICAL SECURITY (73.71)		(ii)(C) Not Covered by Ops/EOPs	(iii)(C) Control of Rad Release
TRANSPORTATION		(iii) Earthquake	(iii)(D) Accident Mitigation
MATERIAL/EXPOSURE		(iii) Flood	(iv)(A) Air Release >2x App. B
FITNESS FOR DUTY		(iii) Hurricane	(iv)(B) Liquid Release >2x App. B
OTHER		(iii) Ice/Hail	(v) Offsite Material
		(iii) Lightning	(vi) Offsite Notification
		(iii) Tornado	
		(iii) Other Natural Phenomenon	
		(iv) ECCS Discharge to RCS	
		(v) Lost ENS	
		(v) Lost Other Assessment/ Comms	
		(v) Emergency Siren INOP	
		(vi) Fire	
		(vi) Toxic Gas	
		(vi) Rad Release	
		(vi) Other Hampering Safe Op.	

NRC Event Notification Form

DESCRIPTION (fill in as available)							
1. SYSTEM(S) AFFECTED:							
2. ACTUATIONS & THEIR INITIATION SIGNALS:							
3. CAUSES (IF KNOWN):							
4. EFFECT OF EVENT ON PLANT:							
5. ACTIONS TAKEN OR PLANNED:							
6. ADDITIONAL INFORMATION							
NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	YES (EXPLAIN ABOVE)	NO	
NRC RESIDENT				DID ALL SYSTEMS FUNCTION AS REQUIRED?	YES	NO (EXPLAIN ABOVE)	
STATE				MODE OF OPERATION UNTIL CORRECTED:			
LOCAL				ESTIMATED RESTART DATE:			
OTHER GOV AGENCIES							
MEDIA/PRESS RELEASE							
RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS							
LIQUID RELEASE		GASEOUS RELEASE		UNPLANNED RELEASE		PLANNED RELEASE	
MONITORED		UNMONITORED		OFFSITE RELEASE		T.S. EXCEEDED	
PERSONNEL EXPOSED OR CONTAMINATED				OFFSITE PROTECTIVE ACTIONS RECOMMENDED		State release path in description	
				Release Rate (Ci/sec)	% T.S. LIMIT	HOO GUIDE	Total Activity
							% T.S. LIMIT
							HOO GUIDE
Noble Gas						0.1 Ci/sec	1000 Ci
Iodine						10 µCi/sec	0.01 Ci
Particulate						1 µCi/sec	1 mCi
Liquid (excluding tritium & dissolved noble gases)						10 µCi/min	0.1 Ci
Liquid (tritium)						0.2 Ci/min	5 Ci
Total Activity							
		PLANT STACK		CONDENSER/AIR REJECTOR		MAIN STEAM LINE	
RAD MONITOR READINGS:						SG BLOWDOWN	
ALARM SETPOINTS							
% T.S. LIMIT (if applicable)							
RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS:							
LOCATION OF TUBE LEAK (e.g., SG#, valve, pipe, etc.)							
LEAK RATE		UNITS gpm/gpd		T.S. LIMITS			
LEAK START DATE:		TIME:		COOLANT ACTIVITY & UNITS: PRIMARY-		SECONDARY-	
LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL:							
DSEO Signature: _____				Time: _____			

6/27/00
Approval Date

6/30/00
Effective Date

Document Action Request

SPG#

Initiated By: Scott McCain Date: 9/11/00 Department: EPSD Ext.: 3757

Document No.: MP-26-EPI-FAP08 Rev. No.: 000 Minor Rev.: _____

Title: Evacuation and Assembly

Reason for Request (attach commitments, CRs, ARs, OEs etc)

Convert to Master Manual format, implement EPSD document streamline initiative, and address CRs.

Continued ☐

Instructions:

None

Continued ☐

TPC

Interim

Approval (1) Plant Mngt Staff Member Print/Sign/Date (2) SM/SRO/CFH on Unit Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later - See Comments ☐ Rejected - See Comments

Activity: ☒ Revision ☐ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supersedure

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

☐ Edit Corr.: _____

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Validation	<input checked="" type="checkbox"/> <u>M. White</u>	<u>M. White</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Writer's Guide	<input checked="" type="checkbox"/> <u>M. Maryeski</u>	<u>M. Maryeski</u>	<u>9/19/00</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	✓
<u>SO. 54(q)</u>	<input checked="" type="checkbox"/> <u>M. White</u>	<u>M. White</u>	<u>9/12/00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
RCD	<input checked="" type="checkbox"/> <u>M. White</u>	<u>M. White</u>	<u>9/12/00</u>	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> <u>M. White</u>	<u>M. White</u>	<u>9/12/00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

2. ☒ SQR/DC/RI/DH Final Review and Approval

SA 9/26/00
Department Head/Responsible Individual / Date

Meeting No.: 00:30

Approval Signature

Approval Date

Effective Date: 12/21/00

**Functional
Administrative
Procedure**



Evacuation and Assembly

MP-26-EPI-FAP08

Rev. 000

Approval Date: 10/11/00

Effective Date: 12/21/00

STOP

THINK

ACT

REVIEW

Table of Contents

1. PURPOSE

1.1 Objective	2
1.2 Applicability	2
1.3 Supporting Documents	2
1.4 Discussion	3

2. INSTRUCTIONS

2.1 Precautionary Dismissal	6
2.2 Evacuation	8
2.3 Accountability	10
2.4 Assembly	11

3. SUMMARY OF CHANGES

3.1 Original issue	13
--------------------------	----

4. ATTACHMENTS AND FORMS

Attachment 1 Definitions and Abbreviations	14
Attachment 2 Responsibilities	15
Attachment 3 Examples of On-Site Protective Actions and Announcements	16

1. **PURPOSE**

1.1 **Objective**

This procedure provides guidance for actions to protect and account for on-site personnel during an emergency.

1.2 **Applicability**

Any Unit 2 or 3 Shift Manager or the ADTS may initiate this procedure when warranted by actual or projected environmental, security, radiological, or operational conditions.

Activation of the Station Emergency Response Organization (SERO) is not required to use this procedure.

The affected unit will be the lead unit for implementation. Unit 3 is normally the lead unit for non-unit specific events.

1.3 **Supporting Documents**

MP-26-EPI-FAP01-001, "CR-DSEO Checklist"

MP-26-EPI-FAP02-001, "ADTS Checklist"

MP-26-EPI-FAP04-001, "DSEO Checklist"

MP-26-EPI-FAP15, "Common Forms"

EPUG-08B, "Millstone Emergency Preparedness Resource Book"

C OP 200.6, "Storms and other Hazardous Phenomena"

1.4 Discussion

This procedure provides guidance for on-site protective actions, as well as specific steps applicable for a wide range of events which may include one or more of the following:

- Radiological release
- Fire, steam, or explosion hazards
- Chemical release, including truck or rail accident
- Storm or flood related hazards

Protective responses to a hazard may include one or more of the following:

- Development of a coordinated plan of action
- Pre-deployment of Security or Health Physics personnel or both
- Early dismissal of selected (non-essential) personnel
- Local area evacuations
- Sheltering personnel
- Accounting for personnel
- Evacuating the protected area or the site

1.4.1 General

Selecting protective actions and coordinating the resources needed to implement those actions is best coordinated through the input and assistance from several groups. Security provides the logistics to facilitate any protective actions involving the movement of personnel; unaffected units need to be informed of protective actions being implemented for operational considerations; and HP and/or Chemistry support the identification of hazardous areas in radiological events.

The time required to complete actions is an important component of on-site protective actions. On-site protection action decisions should consider the following, as appropriate:

- Radiological exposure
- Transportation accidents
- Injury
- Safety and control of plant operations
- Evaluation of constraining conditions (i.e., radiological, security, or chemical threats)
- Consequences of premature or delayed actions

Any of the following protective actions are predicated on the assumption that the conditions support the actions. Since all possible scenario combinations can not be predicted or proceduralized, timing and implementation of any protective action will be controlled by the SM or ADTS as appropriate for the specific situation at the time of the event.

1.4.2 Precautionary Dismissal of Non-Essential Personnel

A precautionary dismissal of non-SERO personnel occurs at the Alert level declaration and can be initiated from the Control Room or TSC. The ADTS or CR-DSEO can elect NOT to conduct the precautionary dismissal if the nature of the event warrants such judgement.

A precautionary dismissal directs all non-SERO Millstone employees, contractors, and visitors to leave the site.

1.4.3 Evacuation

A site evacuation is automatically initiated at the Site Area or General Emergency classification levels. Site evacuation may be called for at the Alert level classification however, conditions which require a site evacuation are inherently defined as Site Area Emergency events and should be classified as such. As in an Alert, all on-call and OSC SERO personnel are directed report to their designated emergency response facility, and all remaining SERO personnel report to the Simulator Foyer. All other personnel are instructed to leave the Owner Controlled Area. Evacuation can be accomplished in about 30 minutes.

Evacuation can involve the movement of large numbers of personnel outside of the Protected Area by keying out of the turnstiles at the NAP or SAP. Evacuation may warrant station egress control by Security. Following discussion with the Connecticut State Police and the Waterford Police Departments, Security will provide specific instructions to personnel in the parking areas as requested by off-site authorities. Following dismissal, station personnel may be directed to a specific location for monitoring and decontamination. Other situations which involve the evacuation of personnel from occupied localized areas onsite must be controlled on a case by case basis.

1.4.4 Local Area Evacuation

Local area evacuation is an evacuation of a building, area, unit, or multi-units for the immediate protection of station personnel from a hazard within a limited exposure potential. A local area evacuation needs to be initiated anytime personnel in an occupied area may be at risk from an environmental hazard. It is a standard response the actions will be taken by the control room personnel immediately upon acknowledging the hazard.

1.4.5 Sheltering

Sheltering is a short-term action taken in specific situations where there is insufficient time available to conduct an evacuation, where the hazard is short lived, or when would threaten the safety of the evacuating population. If a release or hazard is projected to occur within 30–60 minutes, sheltering in place with subsequent staggered movement of personnel may be considered.

1.4.6 Assembly

Assembly occurs at the Alert emergency classification level. On-duty and OSC SERO personnel assemble in the emergency response facilities. All other SERO personnel report to and assemble at the Simulator Foyer (the designated Assembly Area for Millstone Station). Non-essential personnel are not involved in assembly activities. The Assembly Area is used to coordinate the need for any immediate additional resources and to establish a SERO shift relief roster and schedule before personnel are dismissed from the area.

1.4.7 Accountability

Accountability is automatically conducted at a Site Area or General Emergency. Accountability may be conducted at the Alert level following SERO activation and the completion of the precautionary dismissal, at the discretion of the ADTS.

Accountability is the process of verifying the location of personnel who are inside the Protected Area. That is, any unaccounted for person that has keyed into the Protected Area (NAP/SAP) and is not keyed into a vital area, the TSC/OSC, or the OSC Assembly Area (cafeteria) will be identified as missing. Accountability is required to be completed within 45 minutes of its initiation (the names of any missing persons identified to the ADTS and announced over the PA).

Accountability targets from the time of the announcement are as follows:

- Personnel have keyed in or notified CAS within 15 minutes.
- Unaccounted personnel have been identified within 30 minutes.
- Names of unaccounted personnel have been announced within 45 minutes.
- Personnel accountability inside the protected area is continuously maintained for the duration of the event.

1.4.8 Definitions and abbreviation are contained in Attachment 1. Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Precautionary Dismissal

2.1.1 Assess the nature, probable cause, and duration of the hazard.

- a. IF event is security related and a security assessment has *not* been completed, delay the dismissal until the assessment is completed by Security.
- b. IF event is *not* security related OR a security assessment had been completed, provide the SSS/MOS with all available information.
- c. Consider the status of SERO activation prior to the dismissal of personnel.

2.1.2 Contact SSS/MOS and MRCA to discuss the following:

- Additional personnel assigned to the NAP and SAP to assist in the egress of large numbers of personnel as necessary.
- Estimated time to pre-position personnel to support the dismissal.
- Whether any local area or site access restrictions exist.
- Need to sweep areas outside the protected area.

2.1.3 Notify the following of planned actions and announcements:

- a. The DSEO and the ADTS if the SERO in the process of activation.
- b. The unaffected unit control rooms.

2.1.4 Perform the following:

- a. Activate the outside speakers.
- b. Select station public address system (priority page or 810).
- c. Announce the following:

Attention all personnel. Attention all personnel. All non-SERO employees, contractors, visitors, and other non-essential personnel leave the site at this time.

- d. Repeat the announcement.
- e. Log the time the announcement was completed.

2.1.5 IF public address system is inoperable, consider using the following as alternatives for personnel notification:

- Security sweeps
- HP personnel
- O&M radios

2.1.6 WHEN the precautionary dismissal has been completed, director SSS/MOS to perform accountability.

2.2 Evacuation

NOTE

Evacuation is automatically conducted at a Site Area or General Emergency. Other situations which involve the evacuation of personnel from occupied localized areas onsite must be controlled on a case by case basis.

2.2.1 Assess the nature, probable cause, and duration of the hazard.

CAUTION

Movement of personnel should consider potential on-site and off-site constraints.

- a. IF the evacuation is constrained (i.e. security related, weather related, fire or toxic gases) consider delaying evacuation until an assessment has been completed.

2.2.2 Direct the SSS/MOS to perform the following:

- a. Inform Waterford Dispatch of time and purpose of any planned on-site siren activation.
- b. Establish and maintain traffic control with the Waterford and Connecticut State Police departments.

2.2.3 Perform the announcement over the public address system as follows:

- a. Activate the outside speakers.
- b. Sound the Evacuation Alarm for 30 seconds.
- c. Select station public address system (priority page or 810).
- d. Announce the following:

Attention all personnel, Attention all personnel, All non-SERO employees, contractors, visitors, and other non-essential personnel evacuate the site at this time. Security initiate accountability.

- e. Log the time of the announcement.

2.2.4 IF public address system is inoperable, consider using the following as alternatives for personnel notification:

- Security sweeps using bull horns

- HP personnel
- O&M radios

2.2.5 Direct the SSS/MOS to perform the following:

- a. Coordinate security patrols to sweep the open areas, outdoors, and buildings outside the Protected Area to ensure the message has been received.
- b. Verify personnel are moving as instructed and report back on the status.
- c. Provide accountability results within 30 minutes if not previously conducted.

2.3 Accountability

- 2.3.1 Upon direction of the ADTS or declaration of a Site Area or General Emergency, direct CAS to implement accountability procedures.
- 2.3.2 Within 15 to 25 minutes after station announcement, ensure CAS has run an area summary report or similar printout to account for personnel in the protected area.
- 2.3.3 Within 30 minutes of the announcement to conduct accountability, perform the following:
 - a. Obtain the missing persons report.
 - b. Determine the approximate number of personnel who are unaccounted for by badge or telephone call.
 - c. Notify the ADTS of the results.
- 2.3.4 IF personnel are unaccounted for in the Protected Area, provide the ADTS with the following:
 - Name of missing individual
 - Last known location of missing individual
 - Special access requirements for intended search and rescue route

NOTE

Announcement by name in 45 minutes fulfills the initial accountability commitment.

- 2.3.5 Announce the names of unaccounted personnel over station PA system.
- 2.3.6 Coordinate with the MOSC to initiate the dispatch of Search and Rescue Teams to locate any unaccounted for personnel.
- 2.3.7 Maintain continuous accountability of personnel within the protected area until directed otherwise by the ADTS.

2.4 Assembly

2.4.1 Dispatch the ERC to the Simulator Foyer Assembly Area.

2.4.2 Direct the ERC (in the Simulator Foyer) and the MOSC (in the OSC Assembly Area) to establish a roster of personnel which contains the following information:

- a. Name
- b. SERO position
- c. Home or point of contact number

2.4.3 IF any minimum staffing positions are not filled, perform the following:

- a. Obtain qualified personnel from the OSC Assembly Area or Simulator Foyer Assembly Area.
- b. IF qualified personnel are not available from the Assembly Areas, Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify an individual for each unstaffed position.
 - Refer To EPI-FAP15-011, "Fitness for Duty Questionnaire," and determine if notified personnel are fit for duty.
 - IF notified personnel are determined fit for duty, request personnel to report to the EOF.
 - Upon arrival, coordinate access for the responders into the Protected Area with Security as necessary.

2.4.4 Determine if any of the emergency facilities require the assistance of additional personnel and coordinate their movement as necessary.

2.4.5 IF any augmented positions are not filled, perform the following:

- a. Obtain qualified personnel from the OSC Assembly Area or Simulator Foyer Assembly Area.
- b. IF qualified personnel are not available from the Assembly Areas, Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify an individual for each unstaffed position.
 - Refer To EPI-FAP15-011, "Fitness for Duty Questionnaire," and determine if notified personnel are fit for duty.
 - IF notified personnel are determined fit for duty, request personnel to report to the EOF.

- Upon arrival, coordinate access for the responders into the Protected Area with Security as necessary.
- 2.4.6 Begin a first relief roster and schedule for the Emergency Response Facilities from the assembled personnel.
- 2.4.7 Release personnel from the Assembly Areas as soon as possible as follows:
- a. Ensure personnel released from the Assembly Areas are directed to Stand-by their point of contact for further information and instructions.
 - b. Coordinate the release of personnel with the MOS (Security is in contact with local law enforcement for egress and access logistics).
 - c. Inform the DSEO when all personnel have been released from the Assembly Areas.
- 2.4.8 Discuss establishing a staging area for personnel and resources outside the 10 mile EPZ with DSEO as conditions warrant.

3. SUMMARY OF CHANGES

3.1 Original issue

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 1)

Definitions

Accountability - Accountability is used to determine if personnel are missing. A census of personnel in the protected area completed within 45 minutes.

Affected Area - Location requiring protective response to include level, building, unit, open area, or site.

Essential Personnel - Personnel directly engaged in actions required to safely operate, monitor plant functions, or mitigate accident events. Security, HP, and other personnel directed by managers. This includes emergency plan on-call and subject to call, on-shift security, HP and other personnel as directed.

Site Evacuation - Leaving the protected area and existing the owner controlled property.

Owner Controlled Area - All station property excluding the protected area.

Protected Area - The area inside the security fence where access is controlled by security.

Protected Area Evacuation - Leaving the protected area to a designated assembly area.

Sheltering - Staying inside a structure with doors, windows, and exterior ventilation closed.

Abbreviations

DSEO - Director of Station Emergency Operations

SSS - Security Shift Supervisor

MOS - Manager of Security

SM - Shift Manager

MRCA - Manager Radiological Consequence Assessment

NAP - North Access Point

SAP - South Access Point

Attachment 2 Responsibilities

(Sheet 1 of 1)

1. The Security Shift Supervisor or is responsible for coordinating accountability, site access control, traffic control, and assembly areas.
2. The HP Manager or MRCA is responsible for providing radiological assessment and guidance concerning protective recommendations.
3. The Manager of Resources is responsible for coordinating the control and release of personnel at the Assembly Areas.
4. The following managers and staff may be designated by the Shift Manager or DSEO to support implementation of this procedure:
 - MRCA (chemical release)
 - Shift Technician or alternate designee (announcements)
 - HP Technicians (decontamination at access and assembly points)
 - Security (accountability, crowd control)

Attachment 3
Examples of On-Site Protective Actions and Announcements
(Sheet 1 of 2)

Example 1: Approaching Hurricane (station-wide, late onset, long duration)

- Objectives:
- a) Early release of all but essential personnel
 - b) Prepare essential personnel for long-term staffing during storm

Sample Announcement

ATTENTION ALL PERSONNEL! ATTENTION ALL PERSONNEL! Hurricane conditions are projected to reach the site within 24 hours. Personnel not on call or involved in plant safety, security, or operations may leave work at 2 pm today and are excused from regular work tomorrow. All on-call SERO and operations personnel: plan to report to your assigned locations by 10 am tomorrow for the duration of the storm. Additional information will be provided.

- Follow-up:
- a) As storm approaches, warn all personnel to remain indoors.
 - b) Announce restoration of normal conditions when appropriate.

Example 2: Radiological or Chemical Release (onset <30 minutes, duration <30 minutes)

- Objectives:
- a) Avoid affected areas
 - b) Prompt sheltering (no time to complete assembly)

Sample Announcement

ATTENTION ALL PERSONNEL! ATTENTION ALL PERSONNEL! A brief radiological release from the main stack is projected to start in 15 minutes. ALL PERSONNEL! Avoid the stack and the unit ____ turbine building. Take shelter indoors; secure windows, doors and unnecessary ventilation. STAND BY FOR ADDITIONAL INSTRUCTIONS.

- Follow-up:
- a) Ensure Environmental Laboratory, SGRP, other buildings outside fence are notified (security walk through or phone call)
 - b) Announce restoration of normal conditions when appropriate.

Attachment 3

Examples of On-Site Protective Actions and Announcements

(Sheet 2 of 2)

Example 3: Radiological Release (onset >30 minutes, duration >30 minutes)

- Objectives: a) Accountability within 45 minutes
b) Retention of essential personnel

Precondition: SERO activation already announced (Alert Charlie-One or higher declared)

Sample Announcement

ATTENTION ALL PERSONNEL! ATTENTION ALL PERSONNEL! A radiological release may occur in (x) hours. HP personnel assemble in the (cafeteria/NAP/SAP). Inside the protected area, evacuate now. All personnel remaining in the protected area - key in now.

- Follow-up: a) Ensure Security uses bullhorn to retain HP, SERO, other crafts or trades at assembly areas as directed by MOR.
b) Ensure off-site notifications are performed.
c) Coordinate release of personnel from assembly points (NAP, SAP).

Example 4. Evacuation of Site (radiological release in progress, conditions degrading)

- Objectives: a) Emergency event declared
b) MRCA recommends evacuation as warranted (ALARA conditions).
c) Off-site notifications are performed
d) Security notified to allow evacuation

Sample Announcement

ATTENTION ALL PERSONNEL! ATTENTION ALL PERSONNEL! Plant conditions are degrading. A site evacuation has been ordered. Personnel at NAP will be released, in groups, by security. Personnel at SAP, stand by. Avoid all areas east and south of the main stack. All personnel remaining in the protected area - key in now.

- Follow-up: a) Provide follow-up message and transportation for personnel at SAP who can not reach cars without passing release point (in this case, stack).