

Dominion Nuclear Connecticut, Inc.  
Millstone Power Station  
Rope Ferry Road  
Waterford, CT 06385



APR 26 2001

Docket Nos. 50-245  
50-336  
50-423  
B18379

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-FAP01-007, "Control Room Data Coordinator (CRDC)," Major Revision 1;
- MP-26-EPI-FAP04, "Emergency Operations Facility Activation and Operation," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-003, "Manager of Radiological Dose Assessment (MRDA)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-004, "Assistant Manager, Radiological Dose Assessment (AMRDA)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-006, "Field Team Data Coordinator (FTDC)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-011, "Manager of Resources (MOR) or External Resources Coordinator (ERC)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-012, "Manager of Public Information (MPI)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP04-013, "Manager of Communications (MOC)," Major Revision 1;

A045

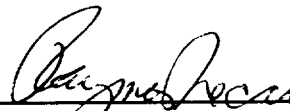
- MP-26-EPI-FAP05, "State Emergency Operations Center (EOC) Activation and Operation," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP05-003, "Nuclear News Manager (NNM)," Major Revision 0, Minor Revision 1;
- MP-26-EPI-FAP07, "Notifications and Communications," Major Revision 1, Minor Revision 1. Attachment 12 contains a complete copy of Major Revision 1, Minor Revision 1 to MP-26-EPI-FAP07, which includes all the previously approved but undistributed changes associated with Major Revision 1 to MP-26-EPI-FAP07.
- MP-26-EPI-FAP12-005, "Core Cooling Water Inventory," Major Revision 1;
- MP-26-EPI-FAP14, "Recovery," Major Revision 0, Minor Revision 1;
- Emergency Preparedness Administrative Procedure (EPAP) 1.15, "Management Program for Maintaining Emergency Preparedness," Major Revision 6, Minor Revision 5.

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,

DOMINION NUCLEAR CONNECTICUT, INC.



Raymond P. Necci

Vice President - Nuclear Technical Services

Attachments (15)

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  
D. S. Collins, 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  
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**Attachment 1**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**  
**MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)," Major Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG#

010210-111308

Initiated By: T. Dembek Date: 27/01 Department: EPSD Ext.: 4223

Document No.: MP-26-EPI-FAP01-007 Rev. No.: 001 Minor Rev.: 00

Title: Control Room Data Coordinator (CRDC)

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

Implement new OFIS information

Continued ☐

Instructions:

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	<i>M. Maryeski</i>	2/13/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	
Validation	<input checked="" type="checkbox"/> L. Banks	<i>L. Banks</i>	2/8/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	IT	
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>K. Burgess</i>	2/8/01	<input type="checkbox"/>	<input type="checkbox"/>	EPSP	
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>K. Burgess</i>	2/8/01	<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 ☐

*KR Burgess* 2/13/01

SQR Qualified Independent Reviewer / Date

*Paul D. Blasilli*

Department Head/Responsible Individual

2/15/01

Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.:

Approval Signature

Approval Date

Effective Date: 3/30/01

MP-05-DC-SAP01-001

Rev. 002-01

Page 1 of 1

2/15/01

Approval Date

3/30/01

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.

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**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.

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**Section A: Initial Actions - Affected Unit CRDC**

- ☐ 6. Maintain a chronological log on OFIS screen A14 (Bulletin Board) if available or in a log book, 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.

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**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.

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**Section C: Event Termination**

- ☐ 1. WHEN notified of SERO termination by the TIC, perform the following:
  - Notify facilities via the OPS Net of termination.
  - Record time in the chronological log.
  - Terminate OFIS.
  - Assemble completed documentation for event reconstruction.

Prepared by: \_\_\_\_\_

Signature

Print

Date

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**Attachment 2**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**

**MP-26-EPI-FAP04, "Emergency Operations Facility Activation and Operation"**

**Major Revision 0, Minor Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04 Rev. No.: 000 Minor Rev.: 01

Title: Recovery EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

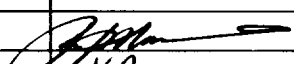
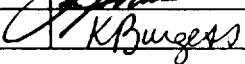
☐ Edit Corr...

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

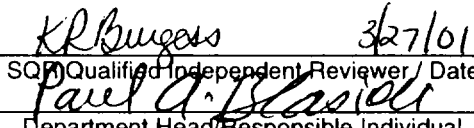
Reviews	Print	Sign	Date	SQR Qualified			If Comments
				Yes	No	Dept.	
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RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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

3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01



**Functional  
Administrative  
Procedure**



**Emergency Operations Facility  
Activation and Operation**

**MP-26-EPI-FAP04**

**Rev. 000-01**

Approval Date: 3/27/01

Effective Date: 3/30/01

STOP

THINK

ACT

REVIEW

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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 and HP 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.

I ①

#### 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

#### Revision 000-01

- 3.1 Added information to step 1.4.5 to clarify that HP field teams perform environmental sampling.
- 3.2 Added information to Attachment 2 to clarify that field measurements and off-site surveys are radiological and environmental.
- 3.3 Added information to Attachment 2 to clarify that corporate off-site resources may be obtained by the Manager of Resources and External Resources Coordinator.
- 3.4 Added steps to EPI-FAP04-001, "Director of Station Emergency Operations," to inform the Richmond Corporate Executive of the event and periodically provide updates.
- 3.5 Added information to EPI-FAP04-003, "Manager of Radiological Dose Assessment," to clarify that Environmental Services or HP perform environmental sampling.
- 3.6 Added step to EPI-FAP04-004, "Assistant Manager of Radiological Dose Assessment," to develop an environmental sampling strategy.
- 3.7 Modified EPI-FAP04-006, "Field Team Data Coordinator," as follows:
  - Added step to develop an environmental sampling strategy using the recommendations of the MRDA, AMRDA, RAE, or MET Assistant.
  - Added information for the FTDC to transfer information to the RAE.
  - Added new Section D, "Environmental Sampling - Team Deployment."
- 3.8 Added references to the Richmond Corporate Operations Center in EPI-FAP04-011, "Manager of Resources."
- 3.9 Added Unit MOC and Unit TIC to the listing of augmented staffing subject to call in EPI-FAP04-011, "Manager of Resources."
- 3.10 Deleted references to the NU General Offices and Customer Services in EPI-FAP04-012, "Manager of Public Information."

# 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 radiological and environmental 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, RDATE 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. Radiological Monitoring Teams #3, #4, #5 (RMT)

The RMTs report to the FTDC in the EOF. Duties include performing 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 corporate and off-site resources
- Coordinating support requests from federal regulatory agencies that have responded to Millstone Station

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11. External Resources Coordinator (ERC)

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

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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 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.

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 3**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**

**MP-26-EPI-FAP04-001, "Director of Station Emergency Operations (DSEO)"**

**Major Revision 0, Minor Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04-001 Rev. No.: 000 Minor Rev.: 01

Title: Recovery EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

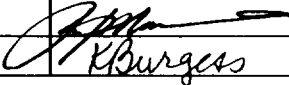
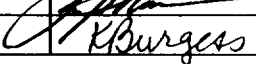
☐ Edit Corr.:

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

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Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
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RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

K. Burgess 3/27/01  
SQR Qualified Independent Reviewer / Date  
Paul J. Blundy  
Department Head/Responsible Individual  
3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01  
Approval Date

3/30/01  
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.
- ☐ 9. Contact the Richmond Corporate Executive and provide a briefing on the event.

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## 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.
  - ☐ Inform the Richmond Corporate Executive of the event.

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## 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.

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### 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.

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**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. Refer To EPI-FAP15-001, " DSEO/ADTS Briefing Sheet," and periodically update the Richmond Corporate Executive on the event status. | ①
- ☐ 18. Consult with the ADTS and ADEOF on the status of each unit and station conditions.
- ☐ 19. Before NRC Site Team arrival, direct the Regulatory Liaison to prepare information for NRC briefing.
- ☐ 20. Periodically discuss conditions and events with the NRC Site Team Leader or Director of Site Operations.
- ☐ 21. 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

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 4**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**

**MP-26-EPI-FAP04-003, "Manager of Radiological Dose Assessment (MRDA)"**

**Major Revision 0, Minor Revision 1**



6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04-003 Rev. No.: 000 Minor Rev.: 01

Title: Recovery EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

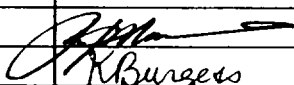
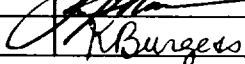
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Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

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Reviews	Print	Sign	Date	SQR Qualified			✓ # Comments
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Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

K. Burgess 3/27/01  
SQR Qualified Independent Reviewer / Date

Paul A. Blawie  
Department Head/Responsible Individual

3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/RVDH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01  
Approval Date

3/30/01  
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.

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### 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  $\geq 1$  Rem or CDE  $\geq 5$  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.

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## 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.

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## 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, Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and ensure Environmental Services or Health Physics personnel are contacted.
- ☐ 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

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## 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..

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## 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 Releases ..... Obtain data from the 374' met data
  - For Rooftop Releases ..... Obtain data from the 142' met data
  - For Ground Releases ..... Obtain 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.

## Preparation and Transmittal of Sample Requests

- ### Sample Delivery Confirmation, Analytic and TLD Results

- Prepared by: \_\_\_\_\_  
Signature                      Print                      Date



**Table 1: Sample Location References**

<b>SAMPLE TYPE</b>	<b>LOCATIONS</b>	<b>MAPS</b>
<b>SAMPLE TYPE</b>	<b>LOCATIONS</b>	<b>MAPS</b>
TLDs	Emergency TLD locations and their backgrounds as identified in the Environmental Operating Report	Millstone REMODCM
Air Particulates & Iodine  Aquatic	Environmental Operating Report	Millstone REMODCM
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 appropriate individuals in the RDAT for a listing of emergency TLD locations and their background radiation dose levels.

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 5**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)  
MP-26-EPI-FAP04-004, "Assistant Manager, Radiological Dose Assessment (AMRDA),"**  
**Major Revision 0, Minor Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04 -004 Rev. No.: 000 Minor Rev.: 01

Title: ~~Recovery~~ EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

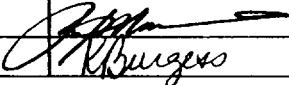

☐ Edit Corr.:

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"/>		
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<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

K. Burgess 3/27/01  
SQR Qualified Independent Reviewer Date  
Paul D. Blaser  
Department Head/Responsible Individual  
3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01

Approval Date

3/30/01

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. Develop environmental sampling strategy.
- ☐ 8. Maintain the offsite radiological board in the EOC.

Prepared by: \_\_\_\_\_

Signature	Print	Date
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**Section C: EOF Activation - AMRDA #2 (OFIS, HPN, Assist RAE)**

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- ☐ 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.

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**Section D: Routine Activities**

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- ☐ 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.

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**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
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## 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**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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MRDA Approval \_\_\_\_\_

Data Transmitted to NRC \_\_\_\_\_  
Date/Time Initials

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 6**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**

**MP-26-EPI-FAP04-006, "Field Team Data Coordinator (FTDC)"**

**Major Revision 0, Minor Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04 -006 Rev. No.: 000 Minor Rev.: 01

Title: ~~Recovery~~ EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

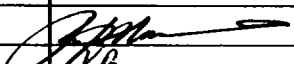
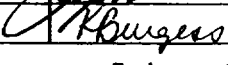
☐ TPC ☐ OTC ☐ Place in VOID

☐ 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.	
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<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
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RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

 3/27/01  
SQR Qualified Independent Reviewer / Date

  
Department Head/Responsible Individual

3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01

Approval Date

3/30/01

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. Using recommendations of the MRDA, AMRDAs, RAE, or Met Assistant, develop the following, as appropriate:
  - Plume tracking strategy
  - Environmental sampling strategy
- ☐ 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 G, "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."

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## 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 or RAE.
- ☐ 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 G, "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.

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### Section C: General Guidance on RMT Survey Strategy

- ☐ 1. Determine an RMT Survey Strategy from the guidance below:
  - For Stack Releases .....Obtain data from the 374' met data
  - For Rooftop Releases .....Obtain data from the 142' met data
  - For Ground Releases .....Obtain 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.

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### Section D: Environmental Sampling - Team Deployment

- ☐ 1. Direct Environmental Services or HP personnel obtain required sampling equipment.
- ☐ 2. Direct Environmental Services or HP personnel obtain the following as appropriate to the sampling strategy:
  - Soil
  - Vegetables
  - Water
  - Particulate air
  - Goat milk
  - Cow milk
- ☐ 3. Assign HP Technician to the sample team, as necessary.



- ☐ 4. Direct sample team to Refer To EPI-FAP15-003, "Radiation Monitoring Point Data Sheet," and record sample location and radiological conditions.

## Section E: 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
- ☐ 4. Direct off-site RMTs obtain the following:
  - 100 cm<sup>2</sup> smear samples on smooth surfaces or fixed structures
  - General area dose rates at each smear location
- ☐ 5. Record all surveys in Section H, "Post Plume Contamination Survey Data."

## Section F: 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 G: 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 H: Post Plume Contamination Survey Data

[illegible]

\*e.g., mailbox, pavement, car, aluminum siding

\*\*Assume  $1 \text{ cpm}/100 \text{ cm}^2 = 10 \text{ dpm}/100 \text{ cm}^2$

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 7**

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

**Emergency Plan Procedures**

**Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)**

**MP-26-EPI-FAP04-011, "Manager of Resources (MOR) or External Resources**

**Coordinator (ERC), Major Revision 0, Minor Revision 1**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04 -011 Rev. No.: 000 Minor Rev.: 01

Title: Recovery EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

### Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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

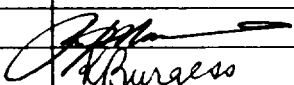
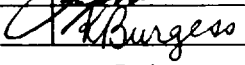
☐ Edit Corr. →

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

KR Burgess 3/27/01  
SQR Qualified Independent Reviewer / Date  
Paul G. Scasidi  
Department Head/Responsible Individual  
3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/R/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01  
Approval Date

3/30/01  
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
  - Richmond Corporate Operations Center

I ①

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**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. Obtain DSEO approval before requesting equipment or services over \$100,000.
- ☐ 13. Contact the Richmond Corporate Operations Support for the following additional resources:
  - Additional transportation needs
  - Petty cash
  - Legal, insurance, and treasury services
  - Any other corporate resources, as necessary



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## Section B: Recurring Actions

- ☐ 14. Obtain additional support for services from INPO, as necessary.
- ☐ 15. 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

- ☐ 16. 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.

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**Section C: Termination**

- ☐ 1. IF directed by the DSEO to terminate the SERO, perform the following:
- Notify departments, corporate, 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.

| ①

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
<b><i>Minimum Staffing - 60 Minute Response</i></b>			
MRCA			
TSCRE			
UADTS			
UADTS			
UMOSC			
UMTSC			
UMTSC			
UTSCEE			
UTSCEE			
UTSCME			
UTSCME			
<b><i>Augmented Staffing - Subject to Call</i></b>			
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
<b>Minimum Staffing - 60 Minute Response</b>			
ARPS			
GES			
RMT #2A			
RMT #2B			
RMT #2C			
RMT #2D			
UELEC			
UELEC			
UI&C Tech			
UI&C Tech			
UMECH			
UMECH			
UMOSC			
<b>Augmented Staffing - Subject to Call</b>			
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
<b>Minimum Staffing - 60 Minute Response</b>			
ADEOF			
DSEO			
EOF HP			
EOF Shift Technician			
MOR			
MPI			
MRDA			
RMT #3			
RMT Driver			
RMT #4			
RMT Driver			
RMT #5			
RMT Driver			
UMOC			
UTIC			
<b>Augmented Staffing - Subject to Call</b>			
AMRDA			
AMRDA			
ERC			
FTDC			
MET Assistant			
RAD COMM			
RAE			
Regulatory Liaison			
Station EP Representative			
State EP Representative			
UMOC			
UTIC			

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
<b><i>Minimum Staffing - 60 Minute Response</i></b>			
Exec Spokesperson (ES)			
NNM			
<b><i>Augmented Staffing - Subject to Call</i></b>			
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. 000-01  
Page 11 of 11



Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 8

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

Emergency Plan Procedures  
Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)  
MP-26-EPI-FAP04-012, "Manager of Public Information (MPI)"  
Major Revision 0, Minor Revision 1

6/27/00  
Approval Date

6/30/00  
Effective Date

# Document Action Request

SPG# 010315-083239

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP04-012 Rev. No.: 000 Minor Rev.: 01

Title: Recovery EMERGENCY OPERATIONS FACILITY Activation And Operation

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

Continued ☐

## Instructions:

This DAR documents the review and approval of the following forms: MP-26-EPI-FAP04-001, MP-26-EPI-FAP04-003, MP-26-EPI-FAP-4-004, MP-26-EPI-FAP04-006, MP-26-EPI-FAP04-011, MP-26-EPI-FAP04-012

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

KR Burgess 3/27/01  
SQR Qualified Independent Reviewer / Date  
Paul D. Blawie  
Department Head/Responsible Individual  
3/27/01  
Approval Date

### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01

Approval Date

3/30/01

Effective Date

## Manager of Public Information (MPI)

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

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### 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. WHEN calls are received, complete Section C.

Prepared by: \_\_\_\_\_

Signature

Print

Date

## Section C: Rumor Control/Inquiries Form

NUMBER:			
<b>SOURCE OF INQUIRY</b>	<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	

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## 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**

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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.

### **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.

Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 9

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

Emergency Plan Procedures

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)  
MP-26-EPI-FAP04-013, "Manager of Communications (MOC)," Major Revision 1



6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG#

010210-111430

Initiated By: T. Dembek Date: 2/7/01 Department: EPSD Ext.: 4223

Document No.: MP-26-EPI-FAP04-013 Rev. No.: 001 Minor Rev.: 00

Title: Manager of Communications (MOC)

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

Implement new ERDS activation instructions

Continued ☐

Instructions:

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Writer's Guide	<input checked="" type="checkbox"/> <u>4/10/01 M. Maryeski</u>	<u>M. Maryeski</u>	<u>2/13/01</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSP</u>	
Validation	<input checked="" type="checkbox"/> <u>P. Luckey</u> <u>P. Blasioli</u>	<u>Paula Blasioli</u>	<u>2/8/01</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSP</u>	
RCD	<input checked="" type="checkbox"/> <u>K. Burgess</u>	<u>K. Burgess</u>	<u>2/8/01</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>EPSP</u>	
Independent	<input checked="" type="checkbox"/> <u>K. Burgess</u>	<u>K. Burgess</u>	<u>2/8/01</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>EPSP</u>	<input checked="" type="checkbox"/>

Safety Evaluation Required ☐ Yes ☒ No

Environmental Review Required ☐ Yes ☒ No

1. ☐ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

K. Burgess 3/6/01  
SQR Qualified Independent Reviewer / Date

Paula Blasioli  
Department Head/Responsible Individual

3/6/01  
Approval Date

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

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/6/01  
Approval Date

3/30/01  
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. Contact affected unit control room and verify ERDS is operational and configured for the affected unit.
- ☐ 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.

---

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**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 Control Room for the affected unit to 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):
<i>INFORMATION PROVIDED</i> (date/time):
INFORMATION REQUESTED (date/time):
<i>INFORMATION PROVIDED</i> (date/time):
INFORMATION REQUESTED (date/time):
<i>INFORMATION PROVIDED</i> (date/time):
INFORMATION REQUESTED (date/time):
<i>INFORMATION PROVIDED</i> (date/time):

Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 10

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

Emergency Plan Procedures

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)

MP-26-EPI-FAP05, "State Emergency Operations Center (EOC)

Activation and Operation," Major Revision 0, Minor Revision 1

## Document Action Request

SPG# 010315-110149

Initiated By: P. Luckey Date: 3/26/01 Department: EPSD Ext.: 5474Document No.: MP-26-EPI-FAP05 Rev. No.: 000 Minor Rev.: 01Title: State EOC Activation and Operation

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

This DAR documents the review and approval of MP-26-EPI-FAP05-003, "Nuclear News Manager"

Continued ☐

Instructions:

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

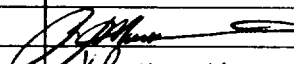

☐ TPC ☐ OTC ☐ Place in VOID☐ Edit Corrections

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
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RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ NoEnvironmental Review Required ☐ Yes ☒ No1. ☐ SQR Program Final Review and ApprovalApproval ☒ Disapproval ☐KR Burgess 3/27/01  
SQR Qualified Independent Reviewer / DatePaul A. Blasill  
Department Head/Responsible Individual3/27/01  
Approval Date2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01



**Functional  
Administrative  
Procedure**



**State Emergency Operations Center (EOC)  
Activation and Operation**

**MP-26-EPI-FAP05**

**Rev. 000-01**

Approval Date: 3/27/01

Effective Date: 3/30/01

STOP

THINK

ACT

REVIEW

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## **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

Revision 000-01

3.1 Updated titles to reflect the current organization.

3.2 Modified MP-26-EPI-FAP05-003, Nuclear News Manager,” as follows:

- Added reference to EPUG 08B, “Millstone Emergency Preparedness Resource Book.”
- Deleted Section C, “Message Guidance for Notifications.”

# **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 Nuclear Public 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.

Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 11

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

Emergency Plan Procedures

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)

MP-26-EPI-FAP05-003, "Nuclear News Manager (NNM)"

Major Revision 0, Minor Revision 1

## Document Action Request

SPG# 010315-110149

Initiated By: P. Luckey Date: 3/26/01 Department: EPSD Ext.: 5474Document No.: MP-26-EPI-FAP05 - 003 Rev. No.: 000 Minor Rev.: 01Title: State EOC Activation and Operation

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

This DAR documents the review and approval of MP-26-EPI-FAP05-003, "Nuclear News Manager"

Continued ☐

Instructions:

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

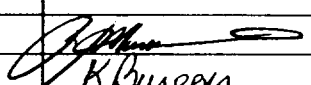

☐ TPC ☐ OTC ☐ Place in VOID☐ Edit Corr. =>

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date

Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ If Comments
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Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	

Safety Evaluation Required ☐ Yes ☒ NoEnvironmental Review Required ☐ Yes ☒ No1. ☐ SQR Program Final Review and ApprovalApproval ☒ Disapproval ☐K. Burgess 3/27/01  
SQR Qualified Independent Reviewer / DatePaul A. Blawie  
Department Head/Responsible Individual3/27/01  
Approval Date2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

3/27/01  
Approval Date

3/30/01  
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 EPUG 08B, "Millstone Emergency Preparedness Resource Book," and perform the following:
- Contact Corporate Nuclear Public Information.
  - Establish connection with Corporate electronic mail.

---

## Section A: Initial Actions

- ☐ 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 as an alternate media center.

- ☐ 2. Supervise Millstone operations at the JMC and Rumor and Inquiry Control Center, as necessary.

---

**Section B: Recurring Actions**

- ☐ 3. Coordinate with the State Media Center Supervisor to obtain media (radio and TV) reports and immediately correct information, as necessary.
- ☐ 4. Fax approved/distributed State news release and EAS messages to the MPI at the EOF.

Prepared by:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print

\_\_\_\_\_  
Date

Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 12

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

Emergency Plan Procedures  
Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)  
MP-26-EPI-FAP07, "Notifications and Communications"  
Major Revision 1, Minor Revision 1

6/27/00  
Approval Date

6/30/00  
Effective Date

# Document Action Request

SPG# 010315-111218

Initiated By: P. Luckey Date: 3/27/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP07 Rev. No.: 001 Minor Rev.: 01

Title: Recovery

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

Continued ☐

Instructions:

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

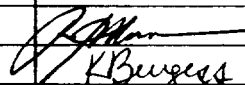
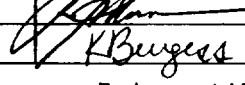
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☐ Edit Corr.: \_\_\_\_\_

Plant Mngt Staff Member - Approval

Comments:

RI/DPC Print Name and Date Continued ☐

Reviews	Print	Sign	Date	SQR Qualified			✓ if Comments
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Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

K. Burgess 3/27/01  
SQR Qualified Independent Reviewer / Date  
Paul A. Blaschke  
Department Head/Responsible Individual  
3/27/01  
Approval Date

### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01



**Functional  
Administrative  
Procedure**



**Notifications and Communications**

**MP-26-EPI-FAP07**

**Rev. 001-01**

Approval Date: 3/27/01

Effective Date: 3/30/01

STOP

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REVIEW

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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, Corporate 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 abbreviations 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.).



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.

The group RADIOPAGER number for State/Local pagers is 860-332-0059.

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- 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 Activating the Emergency Response Data System (ERDS)

a. At plant process computer terminal for Unit 2:

- 1) Locate the Unit 2 PPC TOP\_MENU display.
- 2) Select the SPDS button.
- 3) Select the Initiate ERDS button to activate ERDS transmission.
- 4) Select Yes to confirm activation.

b. At plant process computer terminal for Unit 3:

- 1) Select NSSS menu page 3 of 3.
- 2) Select Function F11 Activate/Terminate ERDS.
- 3) Select Function F1 to activate ERDS transmission.
- 4) Select Function F12 to confirm activation.

c. Verify ERDS activation as follows:

- 1) At the Unit 2 or Unit 3 TOP\_MENU display of an OFIS terminal, select OFIS menu button.
- 2) Select ERDS Point List button.
- 3) Verify "Data Transmission to the NRC ERDS" is "INITIATED."

### NOTE

"ERDS Status" shows the current status of the modem connection with the NRC. By design, the NRC will refuse the first connection request. ERDS send software will automatically retry the connection until a connection is established. If the connection is lost during an ERDS session, the ERDS send software will try to reconnect. The NRC should accept the second connection request.

- 4) Verify "ERDS Status" is "Link Active."
- 5) IF "ERDS Status" has not changed to "Link Active" after 3 minutes, notify IT of an ERDS connection failure.

### NOTE

The time of the last data transmission should update every 15 seconds, as long as the link is active.

- 6) WHEN a "Link Active" status is obtained, Verify "Time of Last Data Transmission to the NRC" has been updated.

d. Contact the NRC to verify ERDS data is being received.

2.4.2 Ensure American Nuclear Insurers (ANI) is notified.

2.4.3 IF an Unusual Event or higher, Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify the Richmond Control Center Security Specialist.

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## 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 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.

The group RADIOPAGER number for State/Local pagers is 860-332-0059.

- 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.
- 2.8.7 Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify the Richmond Control Center Security Specialist.

## 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
- 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.

## **2.11 Deactivating ERDS**

### **2.11.1 At plant process computer terminal for Unit 2:**

- a. Locate the Unit 2 PPC TOP\_MENU display.
- b. Select the SPDS button.
- c. Select the Terminate ERDS button to terminate ERDS transmission.
- d. Select Yes to confirm termination.

### **2.11.2 At plant process computer terminal for Unit 3:**

- a. Select NSSS menu page 3 of 3.
- b. Select Function F11 Activate/Terminate ERDS.
- c. Select Function F2 to terminate ERDS transmission.
- d. Select Function F12 to confirm termination.

### **2.11.3 Verify ERDS Termination as follows:**

- a. At the Unit 2 or Unit 3 TOP\_MENU display of an OFIS terminal, select OFIS menu button.
- b. Select ERDS Point List button.
- c. Verify "Data Transmission to the NRC ERDS" is "TERMINATED."
- d. Verify "ERDS Status" is "ERDS Link Not Connected."
- e. Verify "Time of Last Data Transmission to the NRC" is no longer updating.

3. SUMMARY OF CHANGES

Revision 001-01

- 3.1 Added notification to Corporate in step 1.4.
- 3.2 Updated group radiopager numbers for state and local pagers in step 2.2.3 and step 2.8.4.
- 3.3 Added step 2.4.3 to notify Richmond Control Center Security Specialist if an Unusual Event or higher.
- 3.4 Added step 2.8.7 to notify the Richmond Control Center Security Specialist.
- 3.5 Deleted the reference to the trunk line to the Corporate exchange in step 2.9.1.
- 3.6 Added Richmond Control Center Security to notification locations in Attachment 3.

# **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 Richmond Control Center Security
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

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### 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 Richmond Control Center Security
Who is Called (automatic):	New London, Ledyard SERO (after 15 minutes)
Who Should Call-In:	14 required State and Local Officials SERO (all)

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## 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.

Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 13

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

Emergency Plan Procedures

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)

MP-26-EPI-FAP12-005, "Core Cooling Water Inventory," Major Revision 1

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG#

010210-110906

Initiated By: T. Dembek Date: 2/7/01 Department: EPSD Ext.: 4223

Document No.: MP-26-EPI-FAP12-005 Rev. No.: 001 Minor Rev.: \_\_\_\_\_

Title: Core Cooling Water Inventory

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

Implement new OFIS program

Continued ☐

Instructions:

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Writer's Guide	<input checked="" type="checkbox"/> M. Maryeski	M. Maryeski	2/13/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	
Validation	<input checked="" type="checkbox"/> L. Banks	L. Banks	2/8/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	IT	
RCD	<input checked="" type="checkbox"/> K. Burgess	K. Burgess	2/8/01	<input type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess	K. Burgess	2/8/01	<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 ☐

KR Burgess 2/13/01  
SQR Qualified Independent Reviewer / Date

Paul G. Basile  
Department Head/Responsible Individual

2/15/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

2/15/01  
Approval Date

3/30/01  
Effective Date

## Core Cooling Water Inventory

### Section A: Secondary Water Supplies

1. Obtain Tank Volume Data (%) from OFIS point listed in the table below:

Secondary System Water Supplies AFW supply volumes (gal); OFIS Display shown in parenthesis		
Tank	MP2 V <sub>full</sub>	MP3 V <sub>full</sub>
DWST	N/A	340,000 (Obtain from CRDC)
CST	250,000 (A6)	200,000 (Obtain from CRDC)

2. Enter Data from OFIS and above into the formula and calculate Available Volume.

#### NOTE

CST may be used as an alternate water supply for Unit 3.

\* Calculations subtract 5% of rated tank volume to determine useable volume.

$$\text{Available Volume} = \frac{\text{Level (\%)}}{100} \times [V_{\text{full}} - (0.05 \times V_{\text{full}})]$$

$$\text{_____ } V_{\text{gal}} = \frac{\text{_____ (\%)}}{100} \times [\text{_____ } V_{\text{full}} - (0.05 \times \text{_____ } V_{\text{full}})]$$

3. Determine flow rate from tank (AFW flow) = \_\_\_\_\_ gpm
4. Estimate remaining time to deplete tank =  $\frac{V_{\text{gal}}}{(\text{AFW flow})} = \text{_____ min.}$
5. Report results to MTSC.

Prepared by: \_\_\_\_\_  
Signature Print Date

## Section B: Primary Coolant System Water Supplies

- Obtain RWST Volume Data (%) from OFIS Display A7 and the table below:

RWST Volumes (gal)		
Tank Volume	MP2	MP3
Tank Full ( $V_{full}$ )	475,000	1,200,000
At Sump Switch ( $V_{sw}$ )	47,500	562,800

- Enter Data from OFIS in formula and calculate Available Volume.

$$\frac{\text{Level}(\%)}{100} * (V_{full}) = V_{avl}$$

$$\frac{(\%)}{100} * ( \quad V_{full} \quad ) = \quad V_{avl}$$

### NOTE

For Unit 3, OFIS indicates "0" gpm charging flow with SI aligned.

- Determine total flow rate from tank using the table below:

	MP2	MP3	
<b>Charging (MP3 only)</b>	N/A	A5	gpm
<b>HPSI/SI</b>	Obtain from CRDC	Obtain from CRDC	gpm
<b>LPSI/RHR</b>	Obtain from CRDC	A5	gpm
<b>Spray</b>	Obtain from CRDC	Obtain from CRDC	gpm
<b>Total</b>			gpm

- Estimate remaining time to switchover to sump recirculation:

$$\text{Remaining time to switch} = \frac{V_{avl} - V_{sw}}{\text{Total Flow}} = \quad \text{min.}$$

$$\text{Remaining time to switch} = \frac{\text{gal.} - \text{gal.}}{\text{gpm}} = \quad \text{min.}$$

- Report results to MTSC.

Prepared by: \_\_\_\_\_  
 Signature \_\_\_\_\_ Print \_\_\_\_\_ Date \_\_\_\_\_



Docket Nos. 50-245  
50-336  
50-423  
B18379

Attachment 14

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

Emergency Plan Procedures

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)  
MP-26-EPI-FAP14, "Recovery," Major Revision 0, Minor Revision 1

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010315-111618

Initiated By: P. Luckey Date: 3/26/01 Department: EPSD Ext.: 5474

Document No.: MP-26-EPI-FAP14 Rev. No.: 000 Minor Rev.: 01

Title: Recovery

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

Continued ☐

Instructions:

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
RCD	<input checked="" type="checkbox"/> R. Markovich		3/27/01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess		3/27/01	<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 ☐

KR Burgess 3/27/01  
SQR Qualified Independent Reviewer/Date  
Paul A. Blaszka  
Department Head/Responsible Individual  
3/27/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

**Functional  
Administrative  
Procedure**



**Recovery  
MP-26-EPI-FAP14  
Rev. 000-01**

Approval Date: 3/27/01

Effective Date: 3/30/01

**STOP**

**THINK**

**ACT**

**REVIEW**

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## **1. PURPOSE**

### **1.1 Objective**

This procedure provides guidance to the Director of Station Emergency Operations (DSEO) and the Director of Recovery Operations (DRO) for directing the transition into the Recovery phase of an event and performing associated activities. It also provides guidance to other individuals who will perform supporting functions during Recovery.

### **1.2 Applicability**

While in a declared emergency, conditions have stabilized and the DSEO is prepared to terminate the emergency in accordance with EPI-FAP06, "Classification and PARs."

### **1.3 Supporting Documents**

EPI-FAP06, "Classification and PARs"

EPI-FAP07, "Notifications and Communications"

### **1.4 Discussion**

Recovery takes place after the emergency phase of an accident has occurred, the plant is in a relatively stable condition, and the emergency has been terminated by the Director of Station Emergency Operations. Recovery actions may require normal resources to recover the plant or extensive resources which could require months of support.

Members of the Recovery Organization are chosen based on their experience, managerial skills, and the needs of the plant. Conditions are evaluated to determine what repairs need to be performed, and when normal operations may be restored.

The Director of Recovery Operations will ensure that all work performed during Recovery is in accordance with approved station procedures unless specific actions have been approved by SORC.

#### **Recovery Goals**

- Assess the on and off site consequences of the emergency.
- Perform cleanup and repair to return plant to pre-event conditions.
- Investigate the causes of the event and plan actions to prevent reoccurrence.

#### **Federal Response**

- The NRC and/or FEMA will coordinate support from multiple federal government agencies.
- Federal Agencies may request resources (space, phones and so forth) be provided to aid in their recovery efforts.

Definitions and abbreviation are contained in Attachment 1.

Responsibilities are contained in Attachment 2.

Attachment 3 illustrates the recovery process.

## 2. INSTRUCTIONS

### 2.1 Transition and Recovery Following an Unusual Event

#### 2.1.1 Director of Station Emergency Operations:

#### **NOTE**

An Event Summary Report is required within 24 hours of terminating an Unusual Event.

For an Unusual Event, the Incident Report Form may be considered the Event Summary Report for purposes of termination notification.

- a. Designate a Director of Recovery Operations by contacting the Station Director (or designee).
- b. Direct the completion and transmission of an Incident Report Form, per EPI-FAP07, "Notifications and Communications," to signify termination of the Unusual Event.
- c. Announce the following (or similar) message to plant personnel over the public address system:

**Attention all personnel, attention all personnel. The Unusual Event has been terminated and Recovery has been initiated. I repeat, the Unusual Event has been terminated and Recovery has been initiated.**

Include any instructions for restrictions on areas or activities that still exist.

- d. Ensure any reportable event(s) is/are captured and reported as required.

#### 2.1.2 Director of Recovery Operations:

- a. Convene an event review meeting as soon as practical following termination from the Unusual Event.
- b. Start the investigation and corrective action process per plant procedures.

## **2.2 Transition Following an Alert or Higher Classification**

### **NOTE**

As conditions improve and additional personnel and resources become available, certain Recovery activities may be initiated before terminating the emergency.

- 2.2.1 Determine appropriate Emergency Response Facilities staffing and maintain until a Recovery Organization has been identified and activated.

### **NOTE**

Detailed plans and procedures are not required to be developed before event termination and entry into Recovery. However, a Recovery Plan Outline should be completed and the recovery organization management positions identified and ready for staffing.

For events at an Alert classification, SERO personnel may be adequate to perform any necessary Recovery actions before returning to a normal organization.

For events at the Site Area Emergency or General Emergency classification level, the basic Recovery Organization staffing described in Attachment 2 should be used as guidance. Additional positions may be assigned to perform specific recovery activities.

- 2.2.2 Direct the ADTS, the ADEOF, and the Executive Spokesperson to review Attachments 4 through 7, as applicable, and convene a meeting of key plant SERO personnel to perform the following:
- a. Review existing conditions and ongoing activities.
  - b. Determine the Onsite, Offsite, and Public Information Recovery Organization staffing requirements.
  - c. Outline the issues to be resolved and develop an Issues/Strategies Package using EPI-FAP14-001, "Recovery Issue/Strategies Form," to form the basis for the Recovery Plan.
- 2.2.3 Convene a joint conference with the ADTS, ADEOF, and the Executive Spokesperson to review and approve the following:
- a. The recovery issues and strategies.
  - b. The Recovery Organization staffing requirements.
  - c. The recovery plan outline
- 2.2.4 Conduct a formal discussion with regulatory and State authorities to ensure coordination and agreement are met for entry into Recovery.



- 2.2.5 Discuss conditions with the Lead Nuclear Executive - Millstone.
- 2.2.6 Contact and stage all Recovery Organization personnel used to relieve the SERO (organize relief and/or turnover of responsibilities through the SERO and Recovery Managers).
- 2.2.7 Direct the completion and transmission of an Incident Report Form, per EPI-FAP07, "Notifications and Communications," to signify termination of the emergency.
- 2.2.8 Make an announcement of the following message (or similar message) to plant personnel over the public address system:

**Attention all personnel, attention all personnel. The emergency has been terminated and Recovery has been entered. I repeat, the emergency has been terminated and Recovery has been entered. [Name of DRO] has taken over as the Director of Recovery operations. Assigned Recovery Organization personnel are to relieve the SERO at this time.**

Include any instructions for restrictions on areas or activities that still exist.

## 2.3 Recovery Following an Alert or Higher Classification

### NOTE

Select emergency response facilities or portions thereof may be used for some time after event termination while in Recovery (for example, the JMC, Communications portions of the EOF, etc.). Steps should be taken to restore each facility to a state of readiness as soon as possible following termination of the emergency.

#### 2.3.1 Terminate the use of emergency exposure controls.

- a. Revert to non-emergency (10 CFR 20) limits and controls for repair activities conducted during Recovery.
- b. Refer To existing plant exposure control procedures for guidance.

#### 2.3.2 Terminate the use of other Emergency Procedures (e.g., MP-26-EPI-FAPs).

- a. Ensure existing plant procedures or procedures developed for specific tasks are used for plant repair activities during Recovery.
- b. Ensure SORC approves any special procedures developed for Recovery activities.

### NOTE

Attachment 8, "Event Summary Report Format," illustrates the format and content of the Event Summary Report.

#### 2.3.3 Within eight (8) hours of entering Recovery, complete and transmit an approved Event Summary Report to offsite authorities.

#### 2.3.4 Convene an event review meeting as soon as practical following entry into Recovery and begin the investigation and corrective action process per plant procedures.

#### 2.3.5 Maintain a log of specific recovery actions taken such as the following:

- Specific actions taken per this procedure.
- Communication with offsite authorities related to the emergency and/or Recovery.
- Any meetings held to discuss conduct or closeout of the Recovery Phase.

#### 2.3.6 Ensure any event(s) is/are reported as required.

2.3.7 Ensure communications are established and maintained with the following:

- Senior corporate officials.
- Legal, Financial, Insurance, and Purchasing Departments.
- INPO, NEI, and ANI

2.3.8 Approve any reports, including press releases provided to offsite authorities.

## **2.4 Exit from Recovery**

### **2.4.1 Director of Recovery Operations - Unusual Event Classifications:**

- a. Terminate the Recovery Phase for an Unusual Event when the following has occurred:
  - 1) Corrective items are assigned to the responsible organizations.
  - 2) Plant conditions warrant exiting the Recovery Phase.
  - 3) Offsite agencies have been notified of the exit from Recovery.
- b. Log termination of the Recovery phase.
- c. Send all documentation to Emergency Planning.

### **2.4.2 Director of Recovery Operations - Alert or higher classification:**

- a. Terminate the Recovery Phase for an Alert or higher classification when the following has occurred:
  - 1) Corrective items are assigned to the responsible organizations.
  - 2) Plant conditions warrant exiting the Recovery Phase.
  - 3) Onsite and offsite organizations involved with Recovery have been apprised of the existing conditions and the anticipated termination of activities.
  - 4) The news media has been informed of the Recovery phase termination.
  - 5) Necessary revisions of the Emergency Plan and Implementing Procedures have been identified to the Emergency Planning.
- b. Log termination of the Recovery phase.
- c. Send all documentation to Emergency Planning.

3. SUMMARY OF CHANGES

Revision 000-01

3.1 Updated titles to reflect the current organization.

# **Attachment 1**

## **Definitions and Abbreviations**

(Sheet 1 of 1)

### **Definitions**

NA

### **Abbreviations**

ADEOF - Assistant Director Emergency operations Facility

ADTS - Assistant Director Technical Support

ANI - American Nuclear Insurers

DRO - Director of Recovery Operations

DSEO - Director of Station Emergency Operations

INPO - Institute of Nuclear Power Operations

NEI - Nuclear Energy Institute

SERO - Station Emergency Response Organization

## **Attachment 2 Responsibilities**

(Sheet 1 of 6)

### 1. The Lead Nuclear Executive - Millstone

I ①

- A. Provides overall authority and responsibility for coordinating the station Recovery Operations with the rest of the Nuclear Group.
- B. Supervises:
  - Director of Recovery Operations
- C. Principal Working Relationships:
  - Corporate Senior Management
  - Director of Recovery Operations
  - Nuclear Vice Presidents

### 2. The Director of Recovery Operations

- A. Has overall responsibility for directing station Recovery operations.
  - Establishes command of station Recovery operations.
  - Plans Recovery operations and implements actions through appropriate managers.
- B. Reports to the Lead Nuclear Executive - Millstone
- C. Supervises :
  - Manager of Technical Support
  - Manger of Plant Operations
  - Manager of Radiation Control and Radwaste Operations
  - Manager of Engineering Support
  - Manager of Nuclear Regulatory Affairs
  - Manager of Public Information
  - Millstone's Representative in the State EOC and Joint Media Center

I ①

## Attachment 2 Responsibilities

(Sheet 2 of 6)

D. Principle Working Relationships:

- Lead Nuclear Executive - Millstone
- Advisory Support Staff
- Recovery Managers

I ①

3. The Recovery Operations Manager of Technical Support

A. Performs reactor core physics and thermal hydraulic systems analysis for reconstructing event timeline.

- Provides technical support services to the Recovery Operations.
- Performs reactor systems analysis.
- Provides post accident data analysis, timeline for the accident, etc.
- Provides a central facility for collecting, retaining, and retrieving data.
- Develops Recovery procedures, modifies existing plant procedures, systems, and equipment.
- Determines Recovery activities needed to be documented in accordance with the QA Program.

B. Reports to the Director of Recovery Operations.

C. Supervises personnel assigned to technical support activities.

D. Principle Working Relationships:

- Director of Recovery Operations
- Manager Plant Operations and Recovery Managers
- Reactor Engineering



## **Attachment 2 Responsibilities**

(Sheet 3 of 6)

### 4. The Recovery Operations Manager of Plant Operations

- A. Provides interface between station and unit operations staff and the Recovery Operations.
  - Supervises and maintains station support staff.
  - Maintains station security operations.
  - Implements maintenance and repair operations with station staff as assigned by the Director of Recovery Operations.
  - Coordinates SORC activities as necessary.
- B. Reports to the Director of Recovery Operations.
- C. Supervises affected unit operations staff.
- D. Principle Working Relationships:
  - Director of Recovery Operations
  - Plant Operations staff
  - Other Recovery Operations Managers

### 5. The Recovery Operations Manager of Radiation Control and Radwaste Operations

- A. Supervises and maintains radiological control of recovery operations.
  - Maintains Field Survey Team, Environmental Sampling Teams, and data assessment operations as long as necessary to support the state and local communities.
  - Develops and implements procedures to sample, process, and control liquid, gaseous, and solid radioactive waste discharge and disposal.
  - Ensures personnel exposure is kept ALARA during recovery both in system design and operation.
  - Develops and performs evaluations of Health Physics equipment and procedures for Recovery.

## **Attachment 2 Responsibilities**

(Sheet 4 of 6)

- Performs special personnel dosimetry evaluations and provides specialized dosimeters.
  - Develops decontamination plans.
  - Assists the State DEP in determining total integrated population dose.
- B. Reports to the Director of Recovery Operations
- C. Supervises Radiation Control and Radwaste Operations Staff
- D. Principle Working Relationships:
- Director of Recovery Operations
  - Manger Plant Operations and Recovery Operation Managers
  - State DEP
6. The Recovery Operations Manager of Engineering Support
- A. Provides necessary civil, mechanical, and electrical engineering support for Recovery and provides other recovery support such as project schedules, management, cost control, construction, resources and purchasing, legal, and insurance services.
- Develops procedures and design for required civil, mechanical, and electrical engineering modifications.
  - Schedules Recovery Operations and ensures prompt execution.
  - Performs construction engineering activities.
  - Arranges for purchasing, legal, and insurance assistance, as necessary.
  - Coordinates Recovery staff meetings.
  - Tabulates, expedites, and closes commitment lists.
- B. Reports to the Director of Recovery Operations
- C. Supervises the Engineering Staff

## **Attachment 2 Responsibilities**

(Sheet 5 of 6)

- D. Principle Working Relationships:
- Director of Recovery Operations
  - Nuclear Engineering Department
  - NSSS/AE
  - Other Recovery Operations Managers

7. The Recovery Operations Manager of Public Information

- A. Coordinates and prepares media information releases and supports Millstone's Representative in the Joint Media Center.
- Obtains technical information from Recovery managers.
  - Prepares media information releases.
  - Provides assistance in the preparation of materials for news conferences, as necessary.
- B. Reports to the Director of Recovery Operations
- C. Supervises assigned staff
- D. Principle Working Relationships:
- Director of Recovery Operations
  - Millstone's Representative in the Joint Media Center
  - Systems Communications personnel

8. The Recovery Operations Manager of Nuclear Regulatory Affairs

- A. Manages interface and submittals to regulatory agencies.
- Provides regulatory interface with the NRC, State, etc.
  - Coordinates the preparation of documents for submittal to regulatory agencies

## **Attachment 2 Responsibilities**

(Sheet 6 of 6)

- B. Reports to the Director of Recovery Operations.
- C. Supervises the Licensing staff
- D. Principle Working Relationships:
  - Director of Recovery Operations
  - Regulatory agencies
  - Other Recovery Operations Managers

### 9. Advisory Support

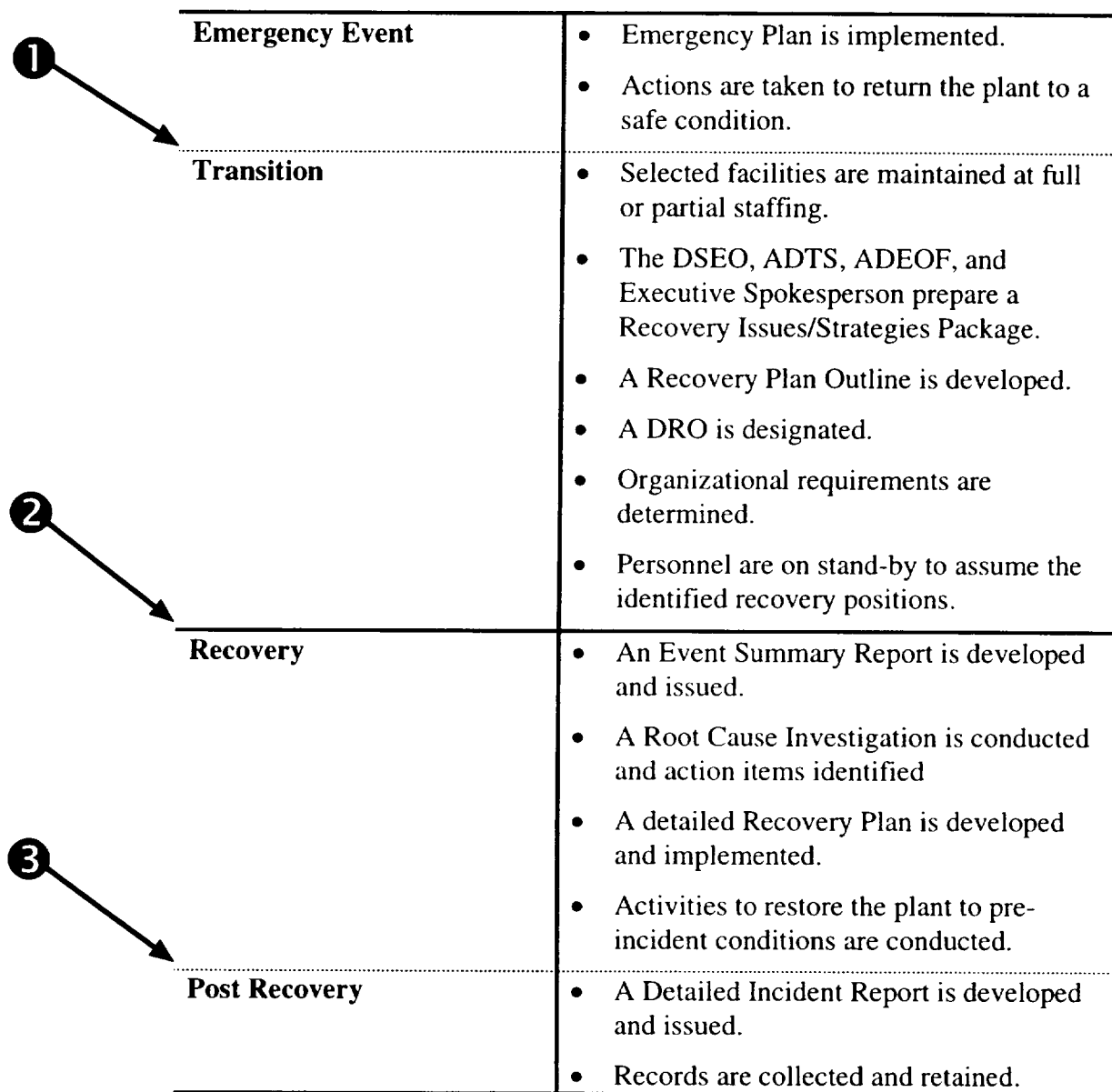
- A. Industry specialists and experts who provide advisory support to the Recovery Operations and appointed, as necessary, by the Directory of Recovery Operations.
- B. Reports to the Director of Recovery Operations

### 10. The Millstone Representative in the State EOC and Joint Media Center

- A. Provides advisory support to the state and local communities resolving FEMA questions and concerns and local town questions and needs.
  - Consults with the State and responds to questions and concerns from the following:
    - ◆ FEMA
    - ◆ State
    - ◆ Local communities
  - Responds as official media spokesperson for Millstone Station
- B. Reports to the Director of Recovery Operations

## Attachment 3 Illustrated Recovery Process

(Sheet 1 of 1)



The above arrows represent points in time in the chronology of a classified emergency:

- ❶ The initiating state of emergency no longer exists.
- ❷ Formal termination of the emergency occurs (Notification of termination to Federal, State and Local Officials by the DSEO).
  - Emergency dose limits and special exceptions to procedures no longer apply.
  - Organizational titles are changed to reflect the new status.
- ❸ Post Recovery and Exit.

## **Attachment 4**

### **Recovery Plan Outline**

(Sheet 1 of 1)

#### **SECTION I. RECOVERY ORGANIZATION**

- A. Organization Structure
- B. Assignment of authorities/responsibilities

#### **SECTION II. ONSITE RECOVERY PLAN**

- A. Major Goals
- B. Issues and Strategies

#### **SECTION III. OFFSITE RECOVERY PLAN**

- A. Major Goals
- B. Issues and Strategies

#### **SECTION IV. PUBLIC INFORMATION RECOVERY PLAN**

- A. Major Goals
- B. Issues and Strategies

## **Attachment 5**

### **Onsite Recovery Issues/Strategies Guide**

(Sheet 1 of 3)

#### **A. Present Activities Being Performed by Plant Staff (Onsite SERO)**

- Identify ongoing activities and determine the need to continue

#### **B. Equipment Status Verifications**

- Perform/Document secured lineups
- List/Identify inoperable equipment
- Hang appropriate tagouts
- Document temporary repairs/lineup
- Obtain appropriate samples to verify core or spent fuel status

#### **C. Stabilization of Plant for Long Term Cooling**

- Identify present cooling lineup(s)
- Document available back-up cooling lineup(s)
- Confirm condition of RHR/CCW/ESW/CVCS/Cont. Spray/Spent Fuel Pool Cooling
- Develop a plan to transition to long term cooling if required

#### **D. System Repairs and Restorations**

- Prioritize out-of-service equipment for restoration
- Plan restoration process by milestones
- Determine testing to increase/ensure equipment reliability
- Determine long term resolution of temporary repairs
- Examine options for temporary systems
- Obtain industry expertise (such as INPO, Westinghouse, CE) as necessary
- Ensure proper QA on any repairs made during the emergency

## **Attachment 5**

### **Onsite Recovery Issues/Strategies Guide**

(Sheet 2 of 3)

#### **E. Radiological Controls and Area Decontamination**

- Perform comprehensive surveys of onsite areas
- Establish additional survey and sampling frequency requirements
- Determine if additional monitoring equipment is required
- Develop a decon plan based on prioritized recovery of plant areas
- Commence Bioassay program
- Contract for large volume decontamination equipment/expertise
- Identify State DEP requirements, if any, on reentry into plant areas, radwaste treatment, and radwaste releases.
- Identify State DOT requirements, if any, on radwaste transportation.

#### **F. Water Management**

- Identify sources, volumes and activity of water inventories
- Prioritize clean-up
- Verify/evaluate condition of existing clean-up systems
- Establish tagouts/controls to preclude inadvertent discharges
- Evaluate need to contract portable filtering systems/expertise
- Establish berms and restraints for control and mitigation of spills
- Evaluate need for additional onsite waste storage capability
- Evaluate need for additional burial space for waste



## **Attachment 5**

### **Onsite Recovery Issues/Strategies Guide**

(Sheet 3 of 3)

#### **G. Logistics (Use guidelines for Forced Outage Scheduling)**

- Identify manpower needs
- Obtain damage control equipment, as necessary
- Consider use of outside specialist (INPO, Westinghouse, CE)
- Set up training for off normal conditions (ALARA)
- Consider restricting site access
- Order extra HP supplies to support recovery
- Evaluate the need for additional security (crowd control)
- Evaluate the need for remote technology for inspections and cleanup
- Evaluate the need for additional communications capabilities
- Evaluate logistic and legal constraints on the continued operation of the unaffected unit.

#### **H. Documentation**

- Initiate actions to complete any required NRC reports as required
- Develop onsite portions of Detailed Incident Report
- Develop onsite Recovery Plan (short/long term)
- Develop special procedures to perform tasks outside the scope of normal procedures

**Attachment 6**  
**Offsite Recovery Issues/Strategies Guide**  
(Sheet 1 of 1)

**A. Present Activities Being Performed by EOF Staff**

- Identify ongoing activities and determine the need to continue

**B. Radiological**

- Evaluate the need for an environmental sampling program
- If required, estimate total population dose
- Evaluate clean-up requirements
- Evaluate the need to bring in outside expertise for radiological monitoring

**C. Support to Offsite Authorities**

- Evaluate outstanding requests from offsite authorities
- Apprise offsite authorities of onsite conditions and activities
- Determine if support for State/Local relocation and reentry activities is desired.

**D. Corporate Interface**

- Apprise corporate management of conditions and activities
- Provide information to legal organization as requested
- Identify issues applicable to HR and Employee Assistance

**E. Logistics**

- Identify manpower needs to support offsite recovery activities
- Identify all non-Millstone personnel and activities currently in place
- Review equipment and material needs for EOF recovery activities
- Assist onsite and Public Information organizations in obtaining offsite support
- Evaluate the need for additional communications capabilities

**F. Documentation**

- Develop offsite portions of Detailed Incident Report
- Develop offsite Recovery Plan (short/long term)

## **Attachment 7**

### **Public Information Recovery Issues/Strategies Guide**

(Sheet 1 of 1)

#### **A. Present Activities Being Performed by State Armory/JMC Staff**

- Identify ongoing activities and determine the need to continue

#### **B. Offsite Interface**

- Identify activities needed to keep offsite authorities apprised of Millstone Public Information activities
- Determine the need for Media Center representation. Consider using Media Center representation as necessary for the periodic briefing on recovery operations.
- Establish a rumor control system , as necessary.
- Ensure internal corporate communications from the employee information hotline.

#### **C. Documentation**

- Develop the Public Information portion of the Recovery plan

**Attachment 8**  
**Event Summary Report Format**

(Sheet 1 of 1)

[Date]

[Time]

To: [Offsite Authority] (as a minimum, IRF locations and the NRC)

From: [Name] (Directory of Recovery Operations)

Subject: Event Summary Report of Emergency Declared at Millstone Station

The Millstone Station has terminated from emergency status at [time] and entered into Recovery.

The following is a review of events and items pertaining to the [Emergency] reported on [date].

[Provide a narrative of the event] (describe the event giving the facts of the emergency including as a minimum:)

1. Time and description of initiating events and any upgrades in classification (i.e., "On July 4, 2004, at 0640 hours a bomb threat was received at....."). Include information on personnel injuries and status. **(DO NOT INCLUDE NAME(S) OF VICTIMS UNLESS THE FAMILY HAS BEEN NOTIFIED).**
2. Initial notifications to offsite authorities, to include time, location and mode of notification (That is: fax, radio, telephone, etc.).
3. Requests for offsite assistance, including time and type.
4. The magnitude of any radiological release and Protective Action Recommendation information as applicable.
5. Telephone numbers which people can call to obtain any additional information (such as the Corporate Public Affairs, Rumor Control or Joint Media Center).

I ①

Approval: [Signature]

Docket Nos. 50-245  
50-336  
50-423  
B18379

**Attachment 15**

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

**Emergency Preparedness Administrative Procedure (EPAP) 1.15**  
**"Management Program for Maintaining Emergency Preparedness"**  
**Major Revision 6, Minor Revision 5**

6/27/00  
Approval Date

6/30/00  
Effective Date

## Document Action Request

SPG# 010307-081103

Initiated By: P. Luckey Date: 3/7/01 Department: EPSD Ext.: 5474

Document No.: EPAP 1.15 Rev. No.: 006 Minor Rev.: 05

Title: Management Program for Maintaining Emergency Preparedness

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

Change Wethersfield Data Center to IT.

Continued ☐

Instructions:

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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
RCD	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	3/7/01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPSD	
Independent	<input checked="" type="checkbox"/> K. Burgess	<i>K Burgess</i>	3/7/01	<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 ☐

*K Burgess* 3/7/01  
SQR Qualified Independent Reviewer / Date  
*Paul D. Blasich*  
Department Head/Responsible Individual  
3/7/01  
Approval Date

#### 2. ☐ SORC/PORC/RI/DH Final Review and Approval

Department Head/Responsible Individual / Date

Meeting No.: \_\_\_\_\_

Approval Signature

Approval Date

Effective Date: 3/30/01

**MILLSTONE NUCLEAR POWER STATION  
EMERGENCY PREPAREDNESS ADMINISTRATIVE  
PROCEDURE**

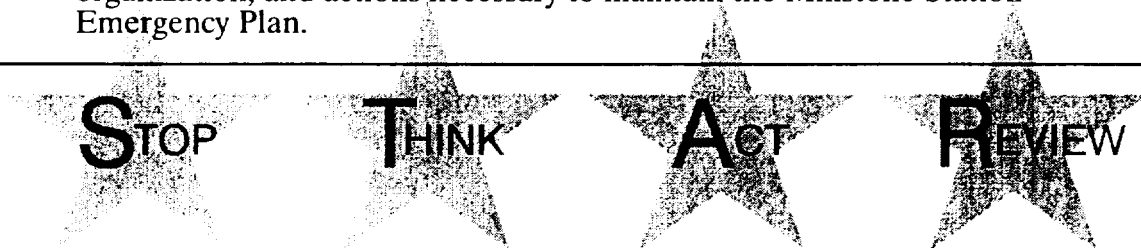


**Management Program for Maintaining  
Emergency Preparedness**

**EPAP 1.15**

**Rev. 006-05**

This procedure describes sources of information, responsibilities, organization, and actions necessary to maintain the Millstone Station Emergency Plan.



Approval Date: \_\_\_\_\_

3/7/01

Effective Date: \_\_\_\_\_

3/30/01

Level of Use  
Information

**Millstone All Units  
Emergency Plan Administrative Procedure**

**Management Program for Maintaining Emergency Preparedness**

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## 1. INSTRUCTIONS

### 1.1 **Station Personnel**

Additional personnel may be required to support the SERO in an emergency. These personnel are integrated into the organization as required by SERO Position Owners.

| ②

Station personnel may also be required to participate in station evacuation drills. Advance notification will be provided via station information notices.

– End of Section 1.1 –

1.2 Responsibilities of the Emergency Planning Process Owner for Maintaining Emergency Preparedness

| ②

The Emergency Planning Process Owner (EPPO) has overall responsibility for the Nuclear Emergency Preparedness Program and is the Chair of the Emergency Preparedness Curriculum Advisory Committee. Responsibilities are defined in Emergency Planning Services documents and NGP 2.04, "Nuclear Incidents Response and Recovery."

| ②

EPPO

1.2.1 RESPOND to emergency preparedness audits and evaluations.

| ②

1.2.2 IMPLEMENT SERO on-call schedules and performance reports.

1.2.3 DEVELOP and CONDUCT station Emergency Planning drills and exercises.

1.2.4 Biennially REVIEW station procedures in accordance with the NUQAP, MP-02-OST-BAP01, "Quality Assurance Program Topical Report," and MP-05-DC-SAP01, "Administration of Manuals, Procedures, Guidelines, Handbooks, and Forms," and REVIEW additional changes for impact on the Millstone Station Emergency Plan.

| ②

1.2.5 COORDINATE the development and distribution of emergency preparedness documents.

1.2.6 ESTABLISH SERO position owners and DOCUMENT in Attachment 5.

| ②

1.2.7 PROVIDE SERO qualification status to SERO position owners on a routine basis.

| ②

1.2.8 PROVIDE listing of SERO members personal information to SERO position owners for verification on a routine basis.

| ②

1.2.9 At least quarterly, PROVIDE SERO Roster to SERO organization.

1.2.10 REVIEW the development of emergency preparedness training curriculum.

1.2.11 ENSURE station personnel correct identified emergency preparedness conditions adverse to quality and areas for improvement.

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- 1.2.12 Refer To Attachment 2, "Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance," and ENSURE responsible process owners maintain emergency response in a state of readiness at all times. | ②
- 1.2.13 Refer To EPAP 1.15–001, "SERO Training and Qualification Record," and COORDINATE completion of qualifications for each new SERO member.
- 1.2.14 ENSURE Millstone Station Emergency Plan and associated procedures are maintained.
- 1.2.15 Refer To Attachment 6, "Roles and Responsibilities for Emergency Preparedness Dose Assessment," and ENSURE responsibilities are carried out.
- 1.2.16 REVIEW emergency planning and response information forwarded from Station Management for possible adoption.
- 1.2.17 COORDINATE with off–site agencies and local officials, and ENSURE off–site Emergency Plan Program is maintained and areas of responsibility are effectively carried out.

– End of Section 1.2 –

### 1.3 Station Management Actions for Maintaining Emergency Preparedness

CNO

#### 1.3.1 ASSIGN Senior Management to DSEO position.

#### NOTE

Minimum staffing is two persons in any position in order to support extended event periods with at least two shifts (12 hours each). It is recommended that for on-call and subject-to-call positions, a fifth individual be qualified to quickly fill any unexpected team vacancies.

SERO  
Position  
Owners

#### 1.3.2 MAINTAIN a “4 team” rotation for SERO duty (i.e., red, white, blue, gold).

②

#### 1.3.3 IF vacancies exist, ENSURE weekly rotation coverage is provided by remaining position holders during reduced staffing periods.

#### 1.3.4 ENSURE adequate station support is provided for emergency preparedness functions.

#### 1.3.5 AUTHORIZE the conduct of drills and exercises.

#### 1.3.6 ENSURE personnel within reporting chain who are assigned to SERO maintain their SERO qualifications.

#### 1.3.7 Refer To and COMPLETE EPAP 1.15–001, “SERO Training and Qualification Record,” to initiate assignment of personnel in your reporting chain to the SERO.

#### 1.3.8 Refer To and COMPLETE EPAP 1.15–002, “SERO Removal Form,” to initiate removal of SERO personnel in your reporting chain.

#### 1.3.9 Refer to Attachment 5, “SERO Qualifications and Reporting Location,” and REVIEW for assigned SERO position owners.

②

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1.3.10 REVIEW and FORWARD to the EPPO, industry or regulatory information regarding any aspect of emergency planning or emergency response including but not limited to the following: | ②

- Information from utility self–assessments
- NRC communications and proposed regulations
- Results of technical studies and assessments
- Information from ongoing research programs
- Lessons learned from training and drills

MPOs →

1.3.11 ENSURE personnel are provided to support emergency preparedness activities. | ②

1.3.12 REVIEW drill critiques and ENSURE applicable corrective actions are implemented.

1.3.13 Refer To Attachment 2, “Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance,” and PROVIDE a point of contact to the EPPO for listed organizations. | ②

Process Owners and Team Leads →

1.3.14 Refer To Attachment 2 and PERFORM the following: | ②

- a. ASSIGN personnel to perform applicable actions.
- b. VERIFY actions are scheduled and documented as complete via one of the following:
  - AITTS
  - PMMS
  - Automated work order
  - Completion of inventory from RPM 4.8.5, “Emergency Radiological Equipment Maintenance and Inspection.” (copy to EPSD)
  - Attachment 3, “Emergency Response Facility Readiness Check Report Form”

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- c. **VERIFY** emergency equipment and instruments are operationally available at least once each quarter and after each use.

1.3.15 **ENSURE** personnel are briefed on extent of drill participation.

1.3.16 **IF** requested by SERO Team DSEOs, **ASSIGN** personnel to SERO.

1.3.17 **ENSURE** the department list of SERO members in NUTIMS is current.

1.3.18 **IF** a SERO vacancy occurs, **NOTIFY** the following:

a. Team DSEO

b. MPOs

| ②

c. Remaining SERO members for the position

d. EPPO

| ②

1.3.19 **PROVIDE** personnel to participate in emergency response scenario development, drills, and exercises.

1.3.20 **MAINTAIN** SERO on-call independent rotation schedules for the following positions:

- Electricians
- Mechanics
- RMTs
- GES
- I&C Technicians

Team DSEO

1.3.21 **OVERSEE** team activities including the following:

| ②

- Training attendance and continuing training
- Drill schedules
- Drill and exercise participation

1.3.22 **ENSURE** SERO on-call position rotation schedules are developed.

1.3.23 **RESOLVE** SERO staffing issues.

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SERO  
Position  
Owners

1.3.24 MAINTAIN SERO position activities as follows:

| ②

- a. ASSIGN personnel to owned positions.
- b. COORDINATE with the following to fill existing or potential vacancies:
  - Team DSEO
  - Emergency Planning Services Department
  - Training
- c. ENSURE position holders maintain qualifications.
- d. Refer To EPAP 1.15–002 and AUTHORIZE removal of individuals from SERO.
- e. NOTIFY other position holders of actual or pending vacancies and ESTABLISH formal rotation of duty to compensate for vacancy.
- f. MAINTAIN position staffing.

| ②

Radiological  
Engineering  
Supervisor  
(SAB)

1.3.25 Refer To Attachment 6, “Roles & Responsibilities for Emergency Preparedness Dose Assessment,” and ENSURE areas of responsibility are carried out.

RDAC

1.3.26 Refer To and IMPLEMENT Attachment 7, “Radiological Dose Assessment Committee at NU.”

– End of Section 1.3 –

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#### 1.4 SERO Personnel

It is the expectation of management that the SERO pager remain on, operable, and monitored so that emergency pager messages may be received and responded to appropriately.

If an emergency event occurs, pagers will display the following:

- Affected unit
- NRC classification
- State posture code
- Major EAL heading

1.4.1 Refer To Attachment 5, "SERO Qualifications and Reporting Location," and IDENTIFY reporting location.

1.4.2 IF pager fails to operate properly, OBTAIN a replacement from one of the following:

- During normal working hours, REQUEST EPPO provide replacement pager. | ②
- After normal working hours, REQUEST Security Shift Supervisor provide replacement pager from NAP Security Office.

1.4.3 NOTIFY EPPO of any changes to the following: | ②

- Work extension
- Pager number
- Home phone number
- Employment status

1.4.4 Refer To Attachment 5 and NTP 7.212, "Training Program Description," and MAINTAIN job specific and SERO qualifications current.

On-Call and  
Subject to  
Call SERO  
Members

1.4.5 Refer To Attachment 5 and MAINTAIN qualifications and proficiency for initial qualification of emergency response duties as follows:

- Refer To NTP 7.212, "Training Program Description," and COMPLETE SERO Training.
- COMPLETE respirator qualifications required by SERO position.
- COMPLETE radworker qualifications required by position.
- MAINTAIN "Fitness for Duty" program requirements.
- MAINTAIN station access required by assigned position.
- MAINTAIN job specific requirements including license or certification, as appropriate.

1.4.6 MAINTAIN qualifications and proficiency for annual requalification by performing one of the following:

#### NOTE

Exceptions to participation in drills may be made by Team DSEO in consultation with EP Management on a case by case basis.

- PERFORM as the designated responder (not a called-in back-up) in at least one drill annually in accordance with Attachment 5.
- PERFORM as one of the following for related position:
  - Drill controller
  - Evaluator
  - Position coach or mentor

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1.4.7 Refer To EPAP 1.15–002, “SERO Removal Form,” and COMPLETE all information including the following:

- Individual being removed
- Replacement named to fill vacancy
- Approval and concurrences, as appropriate

– End of Section 1.4 –

## 1.5 On-Call Positions

### NOTE

Weekly on-call duty assignment turnover will be completed on Tuesday by 10:00 A. M.

On-Call and  
On-Duty  
SERO  
Positions

#### 1.5.1 PERFORM the following while on-call and on-duty:

- ADHERE to the fitness for duty policies.
- REMAIN within 60 minutes travel time of reporting location.

### NOTE

Once the Emergency Response Facilities are staffed and operational, SERO members shall not call back into the Emergency Notification and Response System.

- ACKNOWLEDGE initial pager activations.

#### 1.5.2 IF not available for duty, PERFORM the following:

- a. CONTACT another qualified individual and TRANSFER duty to the individual, ensuring an understanding of the exact date and time of relief.
- b. IF not able to obtain a replacement, PERFORM the following:
  - During normal working hours, CONTACT SERO Team DSEO.
  - After normal working hours, NOTIFY the Unit 3 Control Room Shift Technician.

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1.5.3 IF on-call and *not* on-duty, **PERFORM** the following:

**NOTE**

1. The approximate 10 minute wait to acknowledge pager activations is to allow for initial calls by on-call and on-duty responders to access the system.
2. Once the Emergency Response Facilities are staffed and operational, SERO members shall not call back into the Emergency Notification and Response System.

- a. IF fit for duty AND within 60 minutes travel time of reporting location, **ACKNOWLEDGE** initial pager activations after waiting approximately 10 minutes.
- b. IF *not* fit for duty and contacted by the MOR, **COMPLY** with the instructions provided.

1.5.4 Using SERO call-in card instructions, **PERFORM** the following | ②  
to acknowledge pager activations:

**NOTE**

1. For open positions, the caller will be instructed to report. For filled positions, subsequent callers will be directed to remain available.
2. Do not hang up until the system has disconnected. | ②
3. If a position is not acknowledged, the vendor will automatically page and dial the home telephone number of all personnel assigned to a position until the position is filled.

- a. IF a real event notification is received (not a test, drill, or exercise), **DIAL** the toll-free telephone number and **COMPLY** with the instructions provided.
  - 1) **ENTER** individual identification (PIN) code.
  - 2) IF position is open, **LISTEN** to the information and **RESPOND** appropriately. | ②
  - 3) IF position is *not* open, **REMAIN** available to respond.

- b. IF a real event notification is received (not a test, drill, or exercise) AND acknowledgement can *not* be made via telephone, **REPORT** to assigned emergency response facility.

**NOTE**

If Unit Event codes are received, the ENRS is not available to provide any information to callers. EPAP 1.15–003 provides information on unit event backup codes.

- c. IF a unit event code (e.g., ID 101, 201, 301) is received, immediately **REPORT** to assigned emergency response facility.

**– End of Section 1.5 –**

## 1.6 Subject to Call Positions

### NOTE

1. Subject to call pager positions are assigned to teams only for training and drill scheduling purposes.
2. The approximate 10 minute wait to acknowledge pager activations is to allow for initial calls by on-call and on-duty responders to access the system.
3. Once the Emergency Response Facilities are staffed and operational, SERO members shall not call back into the Emergency Notification and Response System.

- 1.6.1 IF fit for duty, ACKNOWLEDGE initial pager activations after waiting approximately 10 minutes.

### NOTE

1. Subject to call position holders are expected to staff their position as soon as possible. It is not considered acceptable to wait up to 4 hours to fill a position. |
2. If a position is vacant, the DSEO may elect to fill the position by appointment until a fully qualified individual is available.
3. All Accident Management Team positions shall be staffed within 90 minutes of notification.

④

- 1.6.2 IF not fit for duty and contacted by the MOR, COMPLY with the instructions provided.

### NOTE

For open positions, the caller will be instructed to report. For filled positions, subsequent callers will be directed to remain available.

- 1.6.3 Using SERO call-in card, DIAL the toll-free telephone number and COMPLY with the instructions provided.

– End of Section 1.6 –

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**1.7 On-Shift Positions**

1.7.1 Refer To Attachment 5 and IDENTIFY reporting location.

1.7.2 WHEN notified of an Alert, Site Area Emergency, or General Emergency, REPORT to the designated reporting location.

**– End of Section 1.7 –**



## 1.8 Drills and Exercises

### NOTE

1. Drills provide a training opportunity to enhance and maintain effective emergency response capabilities.
2. Major objectives of the Millstone Station Emergency Plan are exercised annually. Exercises differ from drills in that the primary result of an exercise is a critical assessment of emergency response capability.
3. In order to fully evaluate SERO performance capability, back-up staffing (e.g., trainees) will normally not be allowed during evaluated drills or exercises.
4. "Hands-On/OJT" drills will be conducted when it is determined that additional training or experience will enhance an individual, selected group, facility staff or the SERO's ability to respond to emergency conditions. This training evaluation may take the form of a walkthrough or a tabletop discussion of an evolution or operation. This type of training evaluation is distinct from those described in Section 1.8.1 in that the focus is limited and will generally not include an integrated response.
5. Actual emergency plan activations may be credited in place of selected drills if the EPPO deems it appropriate. Generally an Alert or higher level emergency may be substituted for a drill. Such events may also replace an exercise with NRC approval.

②

EPPO

1.8.1 Refer To the EP 6 year objectives schedule and CONDUCT the following drills and tests, as appropriate:

②

- Health Physics Drills
- Radiological Monitoring Drills
- Chemistry Drills
- Medical Emergency Drills
- Communication tests
- Emergency Plan Training Drills

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- Exercises
- Off-site public alerting siren tests
- Off-hour Drills
- Assembly and Accountability Drills

1.8.2 REQUEST drill support from other departments, as applicable.

1.8.3 ENSURE Nuclear Training Department conducts fire drills.

1.8.4 CONDUCT formal critique after each of the following:

- Drill
- Series of drills
- Exercise

**– End of Section 1.8 –**

## 1.9 Emergency Response Facilities (ERFs) and Equipment

### NOTE

1. Each ERF has equipment in place to perform functions assigned in the Millstone Station Emergency Plan. The EPPO is authorized to perform unannounced, periodic walk-through inspections of ERFs. | ②
2. Additional facility and equipment responsibilities are detailed in OA-8, "Ownership, Maintenance, and Housekeeping of Site Buildings and Facilities, and Equipment," and Emergency Planning Services Department Instruction EPDI 06, "Emergency Facilities and Equipment."

Station  
Personnel

- 1.9.1 Refer To Attachment 2, "Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance," and ENSURE facilities are maintained, as assigned.
- 1.9.2 PERFORM equipment check or maintenance at required intervals and after each use.
- 1.9.3 Refer To Attachment 3, "Emergency Response Facility Readiness Check Report Form," or other appropriate documentation and PROVIDE documentation of completed activities to the EPPO. | ②
- 1.9.4 Promptly REPORT problems to the EPPO.
- 1.9.5 IF alteration or modification of ERF or equipment is required, NOTIFY the EPPO before alteration or modification is performed. | ②

Unit  
Chemistry  
Technicians  
and RAE

- 1.9.6 Refer To Attachment 4, "Documentation of Testing of Dose Assessment Computer Program," and TEST dose assessment computer program.

– End of Section 1.9 –

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## 1.10 Severe Accident Management

EPPO

- 1.10.1 Severe accident management (SAM) documents developed for the Millstone units will be owned by the Emergency Planning Services Department. Technical expertise for the contents of the documents will be provided by the Unit Operations Department and the Safety Analysis Branch.
- 1.10.2 Drills requiring implementation of SAM Guidelines (SAM-G) will be conducted as part of the scheduled 6-year objectives for each operating unit. The SAM-G drill objectives shall test and evaluate the unit severe accident management response capabilities. The drill scenario shall be of sufficient complexity and challenge to require the development of multiple SAM strategies. Drill core objectives will be included in accordance with EPDI-07, "Drill and Exercise Manual."
- 1.10.3 SAM-G training shall be provided on a 6-year frequency for continuing training purposes.

| ②

– End of Section 1.10 –

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## 2. REFERENCES

### 2.1 Developmental Documents

- 2.1.1 Millstone Nuclear Power Station Emergency Plan
- 2.1.2 NUREG-0654, Revision 1, "Criteria for Preparation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 2.1.3 NUREG-0737, "Clarification of TMI Action Plan Requirements, Supplement 1, Requirements for Emergency Response Capability"
- 2.1.4 MP-28-MET-PRG, "Meteorological Monitoring"
- 2.1.5 AR 99016164-01, "Review of Millstone Emergency Plan for impact on Chemistry Technician"
- 2.1.6 AR 99016508-03, "Nuclear Training Department conducts fire drills"
- 2.1.7 AR 99016508-06, "Specify off-site responsibilities of Manager EPSD"
- 2.1.8 AR 00002141-04, "Remove Unit 1 personnel from Station Director Position Owner responsibilities" | ①

### 2.2 Supporting Documents

- 2.2.1 TQ 1, "Personnel Qualification and Training"
- 2.2.2 NGP 2.04, "Nuclear Incidents Response and Recovery"
- 2.2.3 NTP 7.212, "Training Program Description"
- 2.2.4 RPM 4.8.5, "Emergency Radiological Equipment Maintenance and Inspection."
- 2.2.5 OA 8, "Ownership, Maintenance, and Housekeeping of Site Buildings and Facilities and Equipment"
- 2.2.6 NUQAP, MP-02-OST-BAP01, "Quality Assurance Program Topical Report" | ②

2.2.7 MP-05-DC-SAP01, "Administration of Manuals, Procedures, Guidelines, Handbooks, and Forms

| ②

3. COMMITMENTS

3.1 NU Letter B14268 commits Millstone to have procedures to accommodate the implementation of ERDS.

| ②

3.2 NU Letter A06789 commits Millstone to surveille computer hardware (OFIS) quarterly.

| ②

3.3 NU Letter A02567 commits Millstone to monitor emergency equipment, including communications.

| ②

#### 4. SUMMARY OF CHANGES

##### Revision 006–05

4.1 Changed Wethersfield Data Center to IT in Attachment 2.

4.2 Deleted reference to Northeast Utilities in Attachment 7.

##### Revision 006–04

4.3 Changed the time to fill a position from 8 hours to 4 hours in note prior to step 1.6.2.

4.4 Updated procedure reference for testing and maintaining the SERO Notification System in Attachment 2.

4.5 Updated procedure reference for ERF Dose Assessment computer operability in Attachment 2.

4.6 Updated software reference for maintaining Emergency Planning procedure distribution and control in Attachment 2.

4.7 Updated frequency for meteorological equipment inspection, calibration, and operability by Unit 2 I&C in Attachment 2.

4.8 Updated procedure reference for monitoring the station page and evacuation siren by Security, Unit 2 Operations, and Unit 3 Operations in Attachment 2.

4.9 Updated procedure references and frequency to test the met tower generator by Unit 1 Operations in Attachment 2.

4.10 Deleted reference to the CRC Chair in Attachment 6.

##### Revision 006–03

4.11 Updated the SERO Position Owner for the EOF Shift Technician, and the Category for the Unit 2 and Unit 3 Technical Information Coordinator in Attachment 5, “SERO Qualifications and Reporting Locations.”

##### Revision 006–02

4.12 Updated references to process owner and position owner in Sections 1.2, 1.3, 1.4, and Attachment 5.

4.13 Clarified the biennial procedure review process in Step 1.2.4.

- 4.13 Added instructions in Section 1.5 for responding to event notifications via pager.
- 4.14 Added abbreviation for Meteorological Information and Dose Assessment Model (MIDAS) in Attachments 1 and 4. Deleted ADAM.
- 4.15 Added abbreviations for new Master Process Owners in Attachment 1.
- 4.16 Replaced EPIP/EPOP with Functional Administrative Procedure (FAP) in Attachment 1.
- 4.17 Deleted Unit 1 responsibilities for Evacuation Alarm Test in Attachment 2.
- 4.18 Updated reporting locations for several OSC responders in Attachment 5.
- 4.19 Added code 666, event is terminated, to EPAP 1.15–003. Moved instructions for acknowledging pager activations via ENRS to section 1.5.

Revision 006–01

- 4.20 Added AR 00002141 to the references Section 2.
- 4.21 Deleted all Unit 1 SERO positions in Attachment 5 that are no longer required.



# Attachment 1

## Emergency Preparedness Abbreviations and Definitions

(Sheet 1 of 1)

1. ADEOF – Assistant Director Emergency Operations Facility
2. ADTS – Assistant Director Technical Support
3. AMRDA – Assistant Manager of Radiological Dose Assessment
4. ENRS – Emergency Notification and Response System. The on–site and off–site notification system including pager and phone communications.
5. EPPO – Emergency Planning Process Owner | ②
6. EPSD – Emergency Planning Services Department
7. ERC – External Resources Coordinator
8. ERDS – Emergency Response Data System
9. IDA – Initial Dose Assessment
10. MIDAS – Meteorological Information and Dose Assessment Model | ②
11. MPO – Master Process Owner
12. RAE – Radiological Assessment Engineer
13. RDAC – Radiological Dose Assessment Committee
14. RES – Radiological Engineering Section
15. SAM–G – Severe Accident Management Guidelines
16. Millstone Station Emergency Plan: The Millstone Station Emergency Plan contains requirements and organizational responsibilities and serves as the license commitment document for emergency preparedness.
17. Emergency Plan Administrative Procedure (EPAP)/Functional Administrative Procedure (FAP): Procedures that implement the Station Emergency Plan. | ②
18. Emergency Preparedness User's Guide (EPUG): A document providing general guidance on how to operate or maintain specific emergency preparedness facilities and equipment such as OFIS, ENRS, and radio communication equipment. EPUGs are not subject to SORC approval. The Emergency Planning Services Department is responsible for maintaining the accuracy of EPUGs.
19. SERO on–call independent rotation: On–call personnel not assigned to a SERO Team (i.e., Mechanics, Electricians, I&C Technicians, Radiological Monitoring Teams, Health Physics Technicians, and Generation Electrical Services personnel). Department supervision will maintain an on–call rotation schedule for these personnel.

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## Attachment 2

### Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance

(Sheet 1 of 4)

Organization	Item	Task	Freq <sub>1</sub>	Reference
CL&P Eastern Regional Test Group, Willimantic	Public Alerting System	Inspect and Conduct Testing	Q, A	Eastern Regional Test Group, Procedure 00I 003 EPDI 05
Chemistry	EOF Multi Channel Analyzer	Inspect and Conduct Testing	AN	RPM; ANSI
Computer Services	ERF Computer Hardware, Software, and Connections	Maintenance, Surveillance, and Control	AN	Help Desk DC 11 EPDI 06
Telecommunication Services	Pagers, Radios, ENRS	General Support and Testing	AN	
Nuclear Document Services	FSAR, Tech Specs, Aperture Cards	Maintain Control Copies in ERFs	AN	GRITS
Nuclear Document Services	Unit – Specific Procedures	Maintain Control copies in EOF	AN	Passport
Nuclear Document Services	EOF and TSC Aperture Card Readers	Update and Check	Q	NDM 04
Emergency Planning Services	SERO Notification System	Test and Maintain	M	EPDI 06 C-OP 600.1
Emergency Planning Services	ERF Phone and Fax Equipment	Perform Operability Check	M,Q	EPDI 06
Emergency Planning Services	ERF Radios	Perform Operability Check	Q	EPDI 06
Emergency Planning Services	ERF Support Equipment, Furniture, and Supplies [♣ Comm. 3.3]	Maintain and Conduct Inventories	Q, AEU	EPDI 06
Emergency Planning Services	ERF Communications	Surveillance	M	EPDI 06
Emergency Planning Services	OFIS	Perform Operability Test	M	EPDI 06

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## Attachment 2

### Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance

(Sheet 2 of 4)

Organization	Item	Task	Freq <sup>1</sup>	Reference
Health Physics Support	Emergency Response HP Supplies and Equipment	Maintenance, Surveillance, and Calibration	Q, AEU	RPM 4.8.5
Health Physics Support (Respiratory Protection)	Respiratory Protection Equipment	Maintenance	Q	RPM 2.3.5
Motor Pool	RMT Vehicles	Mechanical and Operational Inspection and Maintenance	Q	
RAE, Chemistry Technicians	ERF Dose Assessment Computers	Check Operability	W,M	EPAP 1.15, Att. 4 EPUG 07 FAP10
Nuclear Document Services	Unit – Specific Procedures	Maintain Control Copies in TSC	AN	Passport
Nuclear Document Services/EPSP	Emergency Planning FAPs	Maintain Document Distribution and Control; Audit	AN	Passport
Unit 2 I&C	Meteorological Equipment	Inspect, Calibrate, and Confirm Operability	Q	C–SP–400.2
Security	Station Page and Evacuation Siren	Monitor Outside Speakers when Units Conduct Test.	M/Q	C–OP 600.1
Security	CR/Security Hot Links	Phone Checks	D	Security Procedure
Site Facilities	Emergency Response Facilities	Building Services (Janitorial, Plumbing, Lighting)	AN	
Emergency Planning Services	Millstone EPlan Resource Book	Update	Q	EPUG 08B

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## Attachment 2

### Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance

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Organization	Item	Task	Freq <sup>1</sup>	Reference
I&C; SAB	Radiation Monitors	Maintenance and Calibration; Documentation		
U-1 Operations	Meteorological Tower Generator	Test <sup>2</sup>	Q	SP 699
U-1 Operations	U-1 PA Speakers	Test	M/Q	C-OP 600.1
Station Maintenance	Emergency Operations Facility	Electrical and Mechanical Maintenance of HVAC	Q	Vendor Support Provided
U-2 Operations	EOF Airlock	Test <sup>2</sup>	Q	SP 2678C
U-2 Operations	EOF Emergency Diesel Generator	Test <sup>2</sup> Operation	M	SP 2678B OP 2399A
U-2 Operations	EOF Fire Detection System	Test <sup>2</sup> Operation	Q	SP 2678D OP 2399B
U-2 Operations	EOF Vent (RAD) Filter Systems	Test <sup>2</sup>	R	SP 2678A
U-2 Operations	U-2 PA Speakers and Evacuation Alarms	Test	M/Q	C-OP 600.1
Station Maintenance	Technical Support Center (TSC)	Electrical and Mechanical Maintenance of HVAC	Q	AWO on 3TS-3900J
Station Maintenance	Technical Support Center (TSC)	Emergency Lights	Q	MP 3780AE
U-3 Operations	TSC Emergency Power (TSC)	Test <sup>2</sup>	Q	SP 3666.2
U-3 Operations	TSC Vent (RAD) Filter System	Test <sup>2</sup>	R	SP 3666.1
U-3 Operations	U-3 PA Speakers and Evacuation Alarms	Test	M/Q	C-OP 600.1

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## Attachment 2

### Summary of Department Responsibilities for Facilities, Equipment, and Material Maintenance

(Sheet 4 of 4)

Organization	Item	Task	Freq <sup>1</sup>	Reference
Unit Engineering (U-1, 2, 3)	Drawings	Maintain Control Copies in ERFs.	AN	Master Control Index
Unit Operations (U-1, 2, 3)	Radio Communications (Waterford, State, Tri-Town)	Test <sup>2</sup>	D	C-OP 600.3
Unit Operations (U-1, 2, 3)	Unit Page, Siren System and Evacuation Alarm	Test <sup>2</sup>	M	C-OP 600.1
Unit Operations (U-3)	Radiopaging ENRS Daily/Weekly Test	Test <sup>2</sup>	D, W	C-OP 608
Unit Operations (U-3)	Radiopaging ENRS Monthly Test	Test <sup>2</sup>	M	C-OP 606
Unit Chemistry (U-2,3)	PASS	System Surveillance		CP-(2800, 3800)
IT	ERDS, OFIS [♣Comm 3.1, 3.2]	General Support and Testing	Q	EPDI 06 EPDP 10

④

⑤

#### NOTE

1. D = Daily, W = Weekly, M = Monthly, Q = Quarterly, R = Refuel Outage, A = Annual (not to exceed 25% of surveillance period) AN = As Necessary, AEU = After Each Use. All are also as required by drills, audits, revisions, etc.
2. Maintenance, repair, and test follow up is passed to applicable Unit Maintenance Departments.

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Complete and return to Emergency Planning Services Department.

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**Attachment 4**  
**Documentation of Testing of Dose Assessment Computer Program**  
(Sheet 1 of 1)

**NOTE**

MIDAS is installed in the EOF and IDA is installed in the control rooms. MIDAS, IDA, and other approved dose assessment models such as RASCAL may also be installed on computers in the EOF, TSC, or other ERFs.

②

Radiological Assessment Engineer (RAE)

1. Monthly, VERIFY operability of the Emergency Operations Facility dose assessment computer program and printer and ENSURE results match test case.
2. COMPLETE surveillance log.
3. IF test results are *not* satisfactory, NOTIFY EPSD.

Unit Chemistry Technicians

Unit 3

1. Monthly, VERIFY operability of the Technical Support Center Initial Dose Assessment computer and ENSURE results match test case.

Unit 2  
Unit 3

2. Weekly, VERIFY operability of control room initial dose assessment computer program and printer and ENSURE results match test case.
3. COMPLETE surveillance log.
4. IF test results are *not* satisfactory, NOTIFY EPSD.

②

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**Attachment 5**  
**SERO Qualifications and Reporting Location (3)**  
(Sheet 1 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal Yes/No	Initial (4) Drill/OJT/Walk-Thru
Assistant Director Emergency Operations Facility	ADEOF	OC	EOF	No	No	MPO Assessment	Yes	Drill
Assistant Manager of Radiological Dose Assessment	AMRDA	STC	EOF	No	No	MPO Operate the Asset	Yes	Drill
Accident Management Team Thermal and Hydraulic Engineer	AMT/TH	STC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Accident Management Team Lead	AMTL	STC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT/SAM (8)
Accident Management Team Mechanical Engineer	AMTME	STC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Assistant Radiation Protection Supervisor	ARPS	OC	OSC AA	No	Yes	MPO Support Services	Yes	OJT
Director of Station Emergency Operations	DSEO	OC	EOF	No	No	Chief Nuclear Officer	Yes	Drill
EOF Health Physics Technician	EOFHP	OC	EOF	Yes	Yes	MPO Support Services	Yes	Walk-Thru
EOF Shift Technician	EOFST	OC	EOF	Yes	Yes	MPO Operate the Asset	No	Walk-Thru
External Resource Coordinator	ERC	STC	EOF	No	No	MPO Procure the Asset	Yes	Walk-Thru (5)
Executive Spokesperson	ES	OC	Media Cntr	No	No	Chief Nuclear Officer	Yes	Walk-Thru
Fire Brigade/EMT	FB	OS	OSC AA	Yes	Yes	MPO Support Services	No	Drill (6)
Field Team Data Coordinator	FTDC	STC	EOF	No	No	MPO Operate the Asset	Yes	Walk-Thru
Generations Electrical Services Specialist	GES	OC	OSC AA	No	Yes	MPO Maintain the Asset	No	Walk-Thru

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## Attachment 5

### SERO Qualifications and Reporting Location (3)

(Sheet 2 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal-Yes/No	Initial (4) Drill/OJT/Walk-Thru
Meteorological Assistant	MET	STC	EOF	No	No	MPO Support Services	Yes	Walk-Thru
Manager of Resources	MOR	OC	EOF	No	No	MPO Procure the Asset	Yes	Drill
Manager of Security	MOS	STC	TSC/OSC	No	Yes	MPO Support Services	Yes	Drill
Manager Public Information	MPI	OC	EOF	No	No	MPO Communications	Yes	Drill
Manager Radiological Consequence Assessment	MRCA	OC	TSC/OSC	No	No	MPO Support Services	Yes	Drill
Nuclear News Manager	NNM	OC	Media Cntr	No	No	MPO Communications	Yes	Drill
CBETS Operator	CBETS	STC	OSC AA	No	No	MPO Support Services	Yes	Walk-Thru
Radiological Communicator	RADCOM	STC	EOF OSC AA	No	No	MPO Support Services	Yes	Walk-Thru
Radiological Assessment Engineer	RAE	STC	EOF	No	No	MPO Manage the Asset	Yes	Drill
Radiological Monitoring Team 3 Lead	RMT3	OC	EOF	Yes	Yes	MPO Support Services	Yes	Walk-Thru
Radiological Monitoring Team Driver*	RMTDRV	OC	EOF	Yes	Yes	MPO Assessment	Yes	Walk-Thru
Radiological Monitoring Team 4 Lead	RMT4	OC	EOF	Yes	Yes	MPO Support Services	Yes	Walk-Thru
Radiological Monitoring Team Driver*	RMTDRV	OC	EOF	Yes	Yes	MPO Assessment	Yes	Walk-Thru
Radiological Monitoring Team 5 Lead	RMT5	OC	EOF	Yes	Yes	MPO Support Services	Yes	Walk-Thru

\* All RMT Drivers are in one group with three people on call at all times.

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**Attachment 5**  
**SERO Qualifications and Reporting Location (3)**  
(Sheet 3 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal-Yes/No	Initial (4) Drill/OJT/Walk-Thru
Radiological Monitoring Team Driver*	RMTDRV	OC	EOF	Yes	Yes	MPO Assessment	Yes	Walk-Thru
NAP Radiological Monitoring Team	RMTA	OC	NAP	Yes	Yes	MPO Support Services	Yes	Walk-Thru
NAP Radiological Monitoring Team	RMTB	OC	NAP	Yes	Yes	MPO Support Services	Yes	Walk-Thru
SAP Radiological Monitoring Team	RMTC	OC	SAP	Yes	Yes	MPO Support Services	Yes	Walk-Thru
SAP Radiological Monitoring Team	RMTD	OC	SAP	Yes	Yes	MPO Support Services	Yes	Walk-Thru
Station Duty Officer	SDO	OS	CR	Yes	Yes	MPO Operate the Asset	No	OJT
Technical Support Center Reactor Engineer	TSCRE	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	Walk-Thru
Technical Assistant	TA	STC	Media Center	No	No	MPO Assessment	Yes	Walk-Thru
Chemistry Technician	CHEM-TECH	OS	CR	Yes	Yes	MPO Operate the Asset	No	Walk-Thru
RMT #1	HPTECH	OS	CR	Yes	Yes	MPO Support Services	No	Walk-Thru
Unit 1 PEO/NCO	U1PEO/NCO	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 1 Technical Support Center Shift Manager	U1 TSCSM	STC	TSC/OSC	No	Yes	MPO Operate the Asset	No	OJT

\* All RMT Drivers are in one group with three people on call at all times.

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**Attachment 5**  
**SERO Qualifications and Reporting Location (3)**  
(Sheet 4 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal-Yes/No	Initial (4) Drill/OJT/Walk-Thru
Unit 2 Assistant Director Technical Support	U2ADTS	OC	TSC/OSC	No	Yes	MPO Operate the Asset	Yes	Drill
Unit 2 Control Room Data Coordinator	U2CRDC	STC	CR	No	Yes	MPO Training	Yes	Walk-Thru
Unit 2 Electrician	U2ELEC	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru
Unit 2 Instrument & Control Operational Support Center	U2I&C OSC	STC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 2 Instrument & Control Technician	U2I&C TECH	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru
Unit 2 Mechanic	U2MECH	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru
Unit 2 Manager of Communications	U2MOC	OC	EOF	No	No	MPO Training	Yes	Walk-Thru
Unit 2 Manager of Operational Support Center	U2MOSC	OC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 2 Manager of Technical Support Center	U2MTSC	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	Drill
Unit 2 Operational Support Center Maintenance Assistant	U2 OSCMA	STC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 2 PEO	U2PEO	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 2 Control Operator	U2CO	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)

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**Attachment 5**  
**SERO Qualifications and Reporting Location (3)**  
(Sheet 5 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal-Yes/No	Initial (4) Drill/OJT/Walk-Thru
Unit 2 STA	U2STA	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 2 Technical Information Coordinator	U2TIC	OC	EOF	No	No	MPO Training	Yes	Walk-Thru
Unit 2 Technical Support Center Electrical Engineer	U2 TSCEE	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Unit 2 Technical Support Center Mechanical Engineer	U2 TSCME	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Unit 2 Technical Support Center Shift Manager	U2 TSCSM	STC	TSC/OSC	No	Yes	MPO Operate the Asset	No	OJT
Unit 3 Assistant Director Technical Support	U3ADTS	OC	TSC/OSC	No	Yes	MPO Operate the Asset	Yes	Drill
Unit 3 Control Room Data Coordinator	U3CRDC	STC	CR	No	Yes	MPO Training	Yes	Walk-Thru
Unit 3 Electrician	U3ELEC	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru
Unit 3 Instrument & Control Operational Support Center	U3I&C OSC	STC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 3 Instrument & Control Technician	U3I&C TECH	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru
Unit 3 Mechanic	U3MECH	OC	OSC AA	Yes	Yes	MPO Maintain the Asset	No	Walk-Thru

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**Attachment 5**  
**SERO Qualifications and Reporting Location (3)**  
(Sheet 6 of 7)

Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal- Yes/No	Initial (4) Drill/OJT/ Walk-Thru
Unit 3 Manager of Communications	U3MOC	OC	EOF	No	No	MPO Training	Yes	Walk-Thru
Unit 3 Manager of Operational Support Center	U3MOSC	OC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 3 Manager of Technical Support Center	U3MTSC	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	Drill
Unit 3 Operational Support Center Maintenance Assistant	U3 OSCMA	STC	TSC/OSC	No	Yes	MPO Maintain the Asset	Yes	Drill
Unit 3 PEO	U3PEO	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 3 Control Operator	U3CO	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 3 STA	U3STA	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 3 Technical Information Coordinator	U3TIC	OC	EOF	No	No	MPO Training	Yes	Walk-Thru
Unit 3 Technical Support Center Electrical Engineer	U3 TSCEE	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Unit 3 Technical Support Center Mechanical Engineer	U3 TSCME	OC	TSC/OSC	No	Yes	MPO Manage the Asset	Yes	OJT
Unit 3 Technical Support Center Shift Manager	U3 TSCSM	STC	TSC/OSC	No	Yes	MPO Operate the Asset	No	OJT
Unit 2 Unit Supervisor	U2US	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 3 Unit Supervisor	U3US	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Security Guard	SECGRD	OS	POST	Yes	Yes	MPO Support Services	No	OJT
Security Shift Supervisor	SSS	OS	CAS	No	Yes	MPO Support Services	No	OJT

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# **Attachment 5** **SERO Qualifications and Reporting Location (3)**

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Position	Code	CAT	LOC	RESP	RAD	SERO Position Owners	Drill Requirements	
							Annual Requal-Yes/No	Initial (4) Drill/OJT/Walk-Thru
Manager Radiological Dose Assessment	MRDA	OC	EOF	No	No	MPO Operate the Asset	Yes	Drill
Unit 3 Shift Technician	U3ST	OS	CR	Yes	Yes	MPO Operate the Asset	Yes	OJT
Unit 1 Shift Manager	U1SM	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 2 Shift Manager	U2SM	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Unit 3 Shift Manager	U3SM	OS	CR	Yes	Yes	MPO Operate the Asset	(1)	(1)
Alarm Station Supervisor	SECSUP	OS	CAS/SAS	Yes	Yes	MPO Support Services	No	OJT
Regulatory Liaison <sup>(7)</sup>	RL	STC	EOF	No	No	MPO Assessment	No	Walk-Thru
State Emergency Planning Liaison <sup>(7)</sup>	SEPL	STC	State EOC	No	No	MPO Assessment	No	Walk-Thru
Station Emergency Planning Representative <sup>(7)</sup>	SEPR	STC	EOF	No	No	MPO Assessment	No	Walk-Thru
Media Center Liaison <sup>(7)</sup>	MCL	STC	Media Center	No	No	MPO Communications	No	Walk-Thru
Rumor and Inquiry Control Liaison <sup>(7)</sup>	RICL	STC	Media Center	No	No	MPO Communications	No	Walk-Thru
Technical Briefer <sup>(7)</sup>	TB	STC	Media Center	No	No	MPO Operate the Asset	No	Walk-Thru
Radiological Briefer <sup>(7)</sup>	RB	STC	Media Center	No	No	MPO Operate the Asset	No	Walk-Thru

(1) Credit will be taken for drill completion when performed as part of Licensed Operator Initial Training (LOIT), Licensed Operator Requalification Training (LORT), Shift Technical Advisor (STA) Program, and Plant Equipment Operator (PEO) Training.

(2) Deleted

(3) Additional qualification requirements are contained in NTP 7.212.

(4) Participation in a drill may satisfy the walk-thru qualifications for initial training.

(5) Walk-thrus include use of any equipment, identification and location of reference materials, and a knowledge of the facility layout. Training, Emergency Planning, or job incumbents qualify for conducting walk-thrus.

(6) Tracked by Fire Training Department.

(7) Supplemental positions not described in the Millstone Station Emergency Plan.

(8) SAM required for initial qualifications

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**Attachment 6**  
**Roles and Responsibilities for**  
**Emergency Preparedness Dose Assessment**  
(Sheet 1 of 2)

Area	EPPO	SAB/RES
<b>Emergency Plan (Includes Ingestion Pathway Plan)</b>	EPPO shall: <ul style="list-style-type: none"> <li>• Develop the Emergency Plan</li> <li>• Ensure compliance to regulatory requirements</li> <li>• Request technical support for input and review</li> <li>• Process changes and obtain necessary approvals</li> <li>• Perform necessary 50.54(q) reviews</li> </ul>	SAB/RES shall: <ul style="list-style-type: none"> <li>• Provide radiological technical expertise requested</li> <li>• Provide compliant support</li> <li>• Support the review and approval process</li> </ul>
<b>Radiological Dose Assessment Committee (RDAC)</b>	EPPO shall: <ul style="list-style-type: none"> <li>• Chair the committee</li> <li>• Develop a charter</li> <li>• Schedule meetings</li> <li>• Develop meeting minutes for RDAC members and upper management</li> <li>• Provide expertise specific to regulatory compliance</li> <li>• Provide input and make contacts to benchmark against the industry</li> <li>• Process change requests</li> </ul>	SAB/RES shall: <ul style="list-style-type: none"> <li>• Co-chair the committee</li> <li>• Provide input to charter</li> <li>• Provide technical member(s) to the RDAC</li> <li>• Develop technical justification for software / procedure changes</li> <li>• Provide radiological expertise specific to subject matter</li> </ul>
<b>Procedures</b>	EPPO shall: <ul style="list-style-type: none"> <li>• Maintain overall approval or veto of proposed procedures and changes</li> <li>• Ensure compliance to regulatory requirements</li> <li>• Maintain procedures current / schedule biennial reviews if required</li> <li>• Process procedure change requests</li> <li>• Process procedure typing requests</li> <li>• Facilitate writer's guide review by Procedures Group</li> <li>• Perform necessary 50.54(q) reviews</li> <li>• Provide V&amp;V support as necessary</li> <li>• Facilitate scheduling of PORC/SORC by Procedures Group</li> <li>• Set effective implementation dates</li> </ul>	SAB/RES shall: <ul style="list-style-type: none"> <li>• Provide radiological technical content</li> <li>• Write procedure steps</li> <li>• Provide bases documents</li> <li>• Lead V&amp;V process</li> <li>• Provide V&amp;V input and approvals</li> <li>• Support necessary 50.54(q) review</li> <li>• Present technical changes to PORC/SORC for approval</li> </ul>

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**Attachment 6**  
**Roles and Responsibilities for**  
**Emergency Preparedness Dose Assessment**  
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Area	EPPO	SAB/RES
<b>Tools and Software</b>	EPPO shall: <ul style="list-style-type: none"> <li>• Own required tools and software</li> <li>• Be responsible for budgeting new purchases</li> <li>• Fund upgrades and revisions</li> <li>• Ensure compliance to regulatory requirements and intent</li> <li>• Obtain approvals for selected tools and software through RDAC (user) members before committing to a solution/purchase/change</li> <li>• Own Quality Software (QS) and associated documentation</li> </ul>	SAB/RES shall: <ul style="list-style-type: none"> <li>• Produce requirements document specifying needs, acceptance criteria and process bids</li> <li>• Recommend through the RDAC the selection of tools and software</li> <li>• Develop internal software (as necessary or as appropriate)</li> <li>• Provide development support</li> <li>• Provide testing</li> <li>• Provide QS documentation</li> <li>• Provide overall radiological technical support</li> </ul>
<b>Scenario Development</b>	EPPO shall: <ul style="list-style-type: none"> <li>• Define scenario radiological package requirements (Memo of Understanding)</li> <li>• Develop overall scenario</li> <li>• Provide long-range schedule to allow support resource planning</li> <li>• Define deliverable date for completed package</li> <li>• Provide sufficient lead time as defined in the Memo of Understanding for radiological package development</li> </ul>	SAB/RES shall: <ul style="list-style-type: none"> <li>• Provide an experienced technical lead to develop radiological data packages</li> <li>• Provide support to scenario development meetings</li> <li>• Produce radiological data packages fully meeting Memo of Understanding expectations</li> <li>• Provide completed radiological data package by the defined deliverable date</li> </ul>

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**Attachment 7**  
**Radiological Dose Assessment Committee**  
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**1. Purpose:**

Ensure a regulatory compliant, effective dose assessment capability is maintained at Millstone facilities.

| ②

**2. Membership:**

The following functions shall be represented as members of this committee:

- Emergency Preparedness – (EPPO) – Chairperson
- Radiological Engineering – (Rad. Engineering Services) – Co-chairperson
- Station Health Physics
- Training – (EP Training, Chem/HP training, as available)
- Computer Support – (Information Technology, as available)
- Station Chemistry (as available)
- State Department Environmental Protection (as available)
- Environmental Services (as available)

| ②

**3. Responsibilities:**

This committee is responsible to provide the technical, regulatory based review and recommendations for all changes to calculations methodologies, procedures, software or other tools as applicable to performing the function of off-site dose assessment during emergency situations.

**4. Meetings:**

This committee shall meet on a no less frequent basis than once per calendar quarter in order to review functional status. Meeting notes shall be published and maintained on file in the Emergency Planning Services Department.

**5. Authority:**

This committee will forward recommended assignments to the EPPO to assign work to the appropriate organization in order to maintain the full capability of emergency dose assessment. The assigned members shall be sufficiently conversant in the issues to have acceptance authority for their respective organizations.

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**6. Disposition of Issues:**

Issues identified shall be dispositioned through the use of the AITTS assignments. Where disagreement of assignment exist, this issue shall be raised to EP and SAB/RES management for disposition.

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