

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



FEB 19 2002

Docket Nos. 50-245
50-336
50-423
B18588

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

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

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

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

- MP-26-EPI-FAP01, "Control Room Emergency Operations," Major Revision 1, transmitted via Attachment 1;
- MP-26-EPI-FAP01-001, "Control Room - Director of Station Emergency Operations (CR-DSEO)," Major Revision 1, transmitted via Attachment 2;
- MP-26-EPI-FAP01-002, "Manager of Control Room Operations (MCRO)," Major Revision 1, transmitted via Attachment 3;
- MP-26-EPI-FAP01-003, "Station Duty Officer (SDO)," Major Revision 1, transmitted via Attachment 4;
- MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)," Major Revision 2, transmitted via Attachment 5;
- MP-26-EPI-FAP02-002, "TSC Shift Manager (TSCSM)," Major Revision 0, Minor Revision 1, transmitted via Attachment 6;
- MP-26-EPI-FAP02-006, "Manager of Technical Support Center (MTSC)," Major Revision 0, Minor Revision 2, transmitted via Attachment 7;
- MP-26-EPI-FAP04-013, "Manager of Communications (MOC)," Major Revision 1, Minor Revision 2, transmitted via Attachment 8;
- MP-26-EPI-FAP04-014, "Technical Information Coordinator (TIC)," Major Revision 0, Minor Revision 2, transmitted via Attachment 9;

A045

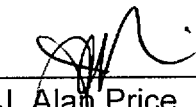
- MP-26-EPI-FAP05-002, "Technical Assistant (TA)," Major Revision 0, Minor Revision 1, transmitted via Attachment 10; and
- MP-26-EPI-FAP15-006, "OFIS Instructions," Major Revision 0, Minor Revision 3, transmitted via Attachment 11.

There are no regulatory commitments contained within this letter.

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

Very truly yours,

DOMINION NUCLEAR CONNECTICUT, INC.



J. Alan Price
Site Vice President - Millstone

Attachments (11)

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

cc: w/o attachment

J. B. Hickman, NRC Project Manager, Millstone Unit No. 1
T. J. Jackson, NRC Inspector, Region I, Millstone Unit No. 1
J. T. Harrison, NRC Project Manager, Millstone Unit No. 2
NRC Senior Resident Inspector, Millstone Unit No. 2
V. Nerses, NRC Senior Project Manager, Millstone Unit No. 3
NRC 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 Procedures Implementing (EPI) Functional Administrative Procedure (FAP)

MP-26-EPI-FAP01, "Control Room Emergency Operations"

Major Revision 1

08/22/01
Approval Date



08/23/01
Effective Date

Document Action Request

SPG # 020103-102905

Initiated By: Mark White

Date: 01/03/2002

Department EP Ext 2101

Document No: MP-26-EPI-FAP01

Rev. No: 001 Minor Rev No. 00

Title: Control Room Emergency Operations

Reason for Request (attach commitments, CR's, AR's, etc)

Biennial Review. AR 01000841

Select One

See MP-05-DC-SAP01 sect 2.3 to determine type of change

Continued

☐ Intent Change (SQR Independent, RCD, ENV Screen Required)
(Other reviews may be required. See MP-05-DC-FAP 01.1 AH 3)

☐ Edit Corr

☒ Non-Intent Change

(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mngt Staff Member - Approval / Date

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

Activity: ☒ Revision ☐ Minor Revision ☒ Cleanup Rev ☒ Biennial Review ☐ Cancellation ☐ Supercedure
See DC-GDI.01 for guidance
☐ TPC ☐ OTC ☐ Place in Void

Reviews continued <input type="checkbox"/>	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"/>
50.54(g) <input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D	<input type="checkbox"/>
Env Screen <input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D	<input type="checkbox"/>
Licensing Basis <input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Independent <input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D	<input checked="" type="checkbox"/>

An NRRL update was required? ☒ Yes

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Department Head/Responsible Individual

Approval Date

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

N/A

Department Head/Responsible Individual Sign

Meeting No.

SORC Approval Signature

Approval Date

Effective Date

2/8/02

MP-05-DC-SAP01-001

Rev. 003 mr 001

Page 1 of 1

**Functional
Administrative
Procedure**



Millstone Station

Control Room Emergency Operations

MP-26-EPI-FAP01

Rev. 001

Approval Date: 2/4/02

Effective Date: 2/8/02



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MP-26-EPI-FAP01-004, "Control Room Shift Technician (CR ST)"	
MP-26-EPI-FAP01-005, "Radiological Monitoring Team #1 (RMT #1)"	
MP-26-EPI-FAP01-006, "Chemistry Technician (Chem Tech)"	
MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)"	

1. PURPOSE

1.1 Objective

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

1.2 Applicability

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

1.3 Supporting Documents

EPI-FAP07, "Notifications and Communications"

EPI-FAP15, "Common Forms"

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

1.4 Discussion

1.4.1 CR-DSEO Transition to MCRO

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

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

1.4.2 10 CFR 50.54(x) Invocation

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

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

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

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

a. Applicability Determination

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

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

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

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

b. Approval

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

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

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

c. Reportability

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

d. Subsequent Actions

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

1.4.3 Radiological Monitoring Team #1

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

1.4.4 Initial Dose Assessment

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

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

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

1.4.5 OFIS

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

1.4.6 Definitions and abbreviation are contained in Attachment 1.

1.4.7 Responsibilities are contained in Attachment 2.

2. INSTRUCTIONS

2.1 Refer To and complete the following, as applicable:

NOTE

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

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

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

3. SUMMARY OF CHANGES

3.1 **Revision 000**

3.1.1 Original issue.

3.2 **Revision 000-01**

3.2.1 Changed step 1.4.1 CR-DSEO Transition to MCRO for a Unit 1 event.

3.3 **Revision 001**

3.3.1 Biennial review

Attachment 1

Definitions and Abbreviations

(Sheet 1 of 3)

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Attachment 1

Definitions and Abbreviations

(Sheet 2 of 3)

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

Abbreviations

ADEOF - Assistant Director Emergency Operations Facility

ADTS - Assistant Director Technical Support

AMRDA - Assistant Manager of Radiological Dose Assessment

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

CR-DSEO - Control Room Director of Station Emergency Operations

DDE - Deep Dose Equivalent

EAL - Emergency Action Level

ENS - Emergency Notification System

EOF - Emergency Operations Facility

ERF - Emergency Response Facility

IDA - Initial Dose Assessment (computer program)

IRF - Incident Report Form

KI - Potassium Iodide

LAN - Local Area Network

MCRO - Manager of Control Room Operations

MOS - Manager of Security

MRDA - Manager of Radiological Dose Assessment

MTSC - Manager of Technical Support Center

OFIS - Off-Site Facilities Information System

Attachment 1

Definitions and Abbreviations

(Sheet 3 of 3)

PAR - Protective Action Recommendation

PC - Personal Computer

PPADs - Personal Protective Action Decisions

SERO - Station Emergency Response Organization

SSS - Security Shift Supervisor

ST - Shift Technician

TEDE - Total Effective Dose Equivalent

TIC - Technical Information Coordinator

TSC - Technical Support Center

Attachment 2

Responsibilities

(Sheet 1 of 2)

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

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

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

2. Manager of Control Room Operations (MCRO)

The MCRO is responsible for the following activities:

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

Attachment 2 Responsibilities

(Sheet 2 of 2)

3. Station Duty Officer (SDO)

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

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

4. Shift Technician (ST)

The ST is responsible for making off-site notifications.

5. Radiological Monitoring Team (RMT) #1

The RMT #1 is responsible for the following activities:

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

6. Chemistry Technicians

The Chemistry Technicians are responsible for the following activities:

- Providing Chemistry support
- Conducting initial dose assessments

7. Control Room Data Coordinator (CRDC)

The CRDC is responsible for the following activities:

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

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Attachment 2

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

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

MP-26-EPI-FAP01-001, "Control Room - Director of Station Emergency

Operations (CR-DSEO)," Major Revision 1

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020107-085655

Initiated By: M. White Date 1/7/02 Department: EPSP Ext.: 2101

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

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

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

AR 01004895, 01000841, 01007179

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☒ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☐ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	Print	Sign	Date	SQR Qualified			✓ If Comments
				Yes	No	Dept.	
50.54 (8)	<input checked="" type="checkbox"/> K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Writer's Guide	<input checked="" type="checkbox"/> M. Marveski	M Marveski	1/29/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPS	
Validation	<input checked="" type="checkbox"/> J. Fuller	J Fuller	1/16/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training	✓
RCD	<input checked="" type="checkbox"/> K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Environmental	<input checked="" type="checkbox"/> K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Licensing Basis	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/> K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

K Burgess 1/29/02
SQR Qualified Independent Reviewer / Date
Patricia Luby for Paul Blaud
Process Owner
Responsible Individual
2/4/02
Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/8/02

2/4/02
Approval Date

2/8/02
Effective Date

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

NOTE

If the applicable unit is Unit 1, the Unit 2 SM/CFH will classify the event and become the CR-DSEO. The Unit 1 CFH is available for evaluating data associated with a Unit 1 event.

Section A: Emergency Response Immediate Actions

1. Evaluate the conditions using EPI-FAP06, "Classification and PARs."
 - ☐ Notify the SDO and Shift Technician (ST) to report to the control room and provide a briefing.
 - ☐ Review the EAL tables:
 - For Unit 1, EPI-FAP06-001
 - For Unit 2, EPI-FAP06-002
 - For Unit 3, EPI-FAP06-003
 - ☐ Evaluate the status of the fission product barriers.
2. Declare the emergency.
 - ☐ Announce the emergency declaration level and time to the CR staff and assume the role of CR-DSEO.

NOTE

Offsite notification shall be accomplished within 15 minutes of an emergency event classification.

- ☐ Direct the ST to initiate offsite notifications per EPI-FAP07, "Notifications and Communications."
3. Go To the applicable section and perform the immediate actions.
 - ☐ Unusual Event Section B
 - ☐ Alert..... Section C
 - ☐ Site Area Emergency Section D
 - ☐ General Emergency Section E

Section B: Unusual Event Immediate Actions

NOTE

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

1. Notifications

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

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

- ☐ Repeat the PA message.
- ☐ Log time of announcement on EPI-FAP15-012, "SERO Log Sheet."
- ☐ Review and approve the Incident Report Form (IRF) for transmittal.
- ☐ Refer To EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," and complete.
- ☐ IF the emergency event occurs off-hours (6:00pm to 4:00am) or on weekends, direct SDO to voice-record EPI-FAP15-001 information and fax completed form to EOF and TSC.

2. NRC Notification

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

3. Loss of Power

- ☐ IF event is Loss of Off-Site Power (LOP), evaluate what loads are being carried and what loads are necessary.
- ☐ Within 4 hours of the LOP, evaluate the need to order emergency diesel generator fuel to extend on-site capacity and direct on-shift person to order fuel, as required.

4. IF no upgrade to classification is warranted, Go To Section F, "Routine and Follow-up Actions."

Section C: Alert Immediate Actions

NOTE

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

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

1. Notifications

- ☐ Notify the unaffected unit control room of the event.
- ☐ Request Security to restrict site access and notify Waterford Police and CT State Police to prepare for a precautionary dismissal.
- ☐ Activate the outside speakers.
- ☐ Review the wording for the station notification message and announce the following over the station PA system:

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

- ☐ Repeat the PA message.
- ☐ Log time of announcement on EPI-FAP15-012.
- ☐ Review and approve the Incident Report Form (IRF) for transmittal
- ☐ Refer To EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," and complete.
- ☐ IF the emergency event occurs off-hours (6:00pm to 4:00am) or on weekends, direct SDO to voice-record EPI-FAP15-001 information and fax completed form to EOF and TSC.

2. NRC Notification

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

3. Precautionary Dismissal

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

4. IF no upgrade to classification is warranted, Go To Section F, "Routine and Follow-up Actions."

Section D: Site Area Emergency Immediate Actions

NOTE

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

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

1. Notifications

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

▽ CAUTION ▽

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

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

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

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

- ☐ Repeat the PA message.
- ☐ Log time of announcement on EPI-FAP15-012.
- ☐ Review and approve the Incident Report Form (IRF) for transmittal.
- ☐ Refer To EPI-FAP08, "Evacuation and Assembly," and conduct evacuation.
- ☐ Refer To EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," and complete.
- ☐ IF the emergency event occurs off-hours (6:00pm to 4:00am) or on weekends direct SDO to voice-record EPI-FAP15-001 information and fax completed form to EOF and TSC.

2. NRC Notification

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

3. IF no upgrade to classification is warranted, Go To Section F, "Routine and Follow-up Actions."

Section E: General Emergency Immediate Actions

NOTE

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

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

1. Notifications

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

▽ CAUTION ▽

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

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

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

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

- ☐ Repeat the PA message.
- ☐ Log time of announcement on EPI-FAP15-012.
- ☐ Review and approve the Incident Report Form (IRF) for transmittal.

NOTE

The state must be notified within 15 minutes after a decision is made to issue a PAR.

- ☐ Review and develop PARs in accordance with EPI-FAP06, "Classification and PARs."
- ☐ **IF** PARs are warranted, issue them in accordance with EPI-FAP06-005, "Control Room Protective Action Recommendations."
- ☐ Refer To EPI-FAP08, "Evacuation and Assembly," and conduct evacuation.
- ☐ Refer To EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," and complete.

Section E: General Emergency Immediate Actions

- ☐ IF the emergency event occurs off-hours (6:00pm to 4:00am) or on weekends, direct SDO to voice-record EPI-FAP15-001 information and fax completed form to EOF and TSC.

2. NRC Notification

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

Section F: Routine and Follow-up Activities

NOTE

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

- ☐ 1. Log all activities and decisions on EPI-FAP15-012, "SERO Log Sheet."
- ☐ 2. IF a release of radioactive material is in progress or is imminent, direct the Chemistry Technician to perform initial on-shift dose assessment.
- ☐ 3. Continuously evaluate or direct the evaluation of the EAL tables and fission product barriers for changes in event status.
- ☐ 4. Ensure the NRC is notified within 60 minutes of any event classification and whenever significant changes in conditions occur during the emergency.
- ☐ 5. Ensure follow-up notifications are routinely provided to the State and local agencies as appropriate.
- ☐ 6. IF the status of the fission product barriers or offsite radiological or meteorological conditions change, perform the following:
 - Evaluate the impact on PARs per EPI-FAP06, "Classification and PARs."
 - Provide changes to PARs to the State, as appropriate (non-delegable).
- ☐ 7. IF necessary, authorize extended emergency exposure limits (dose > 5 Rem is expected) in accordance with EPI-FAP09-001, "Increased Radiation Exposure Authorization," and log any extensions on SERO Log Sheet. (non-delegable)
- ☐ 8. IF suspension of safeguards and §50.54(x) action is invoked, ensure that the NRC is notified of the departure as soon as possible (but within one hour) using the ENS.
- ☐ 9. Direct the RMT #1 to perform control room and plant habitability surveys and sampling.
- ☐ 10. IF necessary, issue KI tablets in accordance with EPI-FAP03, "KI Tablet Issue Authorization and Tracking Sheet," and log time of issue on SERO Log Sheet. (non-delegable)
- ☐ 11. Conduct periodic briefings with the control room staff.
- ☐ 12. IF events have been controlled to the point where termination of the emergency can be considered, Refer To EPI-FAP06, "Classification and PARs," for guidance.

Section G: Transfer of Command and Control

NOTE

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

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

It is preferred that turnover with the ADTS and the on-call DSEO be conducted at the same time but events may occur which require separate turnovers to be completed.

- ☐ 1. Conduct turnover with the EOF DSEO and the ADTS.

NOTE

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

- ☐ 2. IF a Unit 1 event, ensure the Unit 1 CFH is part of the turnover.
- ☐ 3. Upon formal relief by the DSEO, record turnover date and time in the logbook.
- ☐ 4. Conduct a briefing with the EOF DSEO and ADTS using EPI-FAP15-001, "DSEO/ADTS Briefing Sheet."
- ☐ 5. Go To EPI-FAP01-002, "Manager of Control Room Operations."

Prepared by: _____
Signature Print Date

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 3

Millstone Nuclear Power Station, Unit Nos. 1, 2 and 3
Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)
MP-26-EPI-FAP01-002, "Manager of Control Room Operations (MCRO)"
Major Revision 1

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020107-134443

Initiated By: M. White Date 1/7/02 Department: EPSD Ext.: 2101

Document No.: MP-26-EPI-FAP01-002 Rev. No.: 001 Minor Rev.: 00

Title: Manager of Control Room Operations (MCRO)

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

AR 01004895, 01000841

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☒ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☐ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	Print	Sign	Date	SQR Qualified			/ # Comments
				Yes	No	Dept.	
SD. 54(9)	<input checked="" type="checkbox"/>	K. Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Writer's Guide	<input checked="" type="checkbox"/>	M. Maryeski	1/29/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	
Validation	<input checked="" type="checkbox"/>	J. Fuller	1/16/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training	
RCD	<input checked="" type="checkbox"/>	K. Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Environmental	<input checked="" type="checkbox"/>	K. Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Licensing Basis	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/>	K. Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

K. Burgess 1/29/02
SQR Qualified Independent Reviewer / Date
Paul Blawie
Process Owner
Responsible Individual
2/4/02
Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/8/02

MP-05-DC-SAP01-001

Rev. 003-01

Page ____ of ____

2/4/02

Approval Date

2/8/02

Effective Date

Manager of Control Room Operations (MCRO)

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

Section A: Ongoing Activities

NOTE

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

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

Section A: Ongoing Activities

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

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

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

Prepared by: _____

Signature

Print

Date

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 4

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

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

MP-26-EPI-FAP01-003, "Station Duty Officer (SDO)"

Major Revision 1

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020107-144341

Initiated By: M. White Date 1/7/02 Department: EPSD Ext.: 2101

Document No.: MP-26-EPI-FAP01-003 Rev. No.: 001 Minor Rev.: 00

Title: Station Duty Officer (SDO)

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

AR 01000841

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☒ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☐ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>		Print	Sign	Date	SQR Qualified			✓ If Comments
					Yes	No	Dept.	
50.54 (g)	<input checked="" type="checkbox"/>	K. Burgess	KBurgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Writer's Guide	<input checked="" type="checkbox"/>	M. Manyeski	M. Manyeski	1/29/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPG	
Validation	<input checked="" type="checkbox"/>	J. Fuller	J. Fuller	1/16/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training	✓
RCD	<input checked="" type="checkbox"/>	K. Burgess	KBurgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Environmental	<input checked="" type="checkbox"/>	K. Burgess	KBurgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	
Licensing Basis	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/>	K. Burgess	KBurgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSD	✓

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

K. Burgess 1/29/02
SQR Qualified Independent Reviewer / Date
Paul A. Luchey for Paul Blawie
Process Owner
Responsible Individual
2/4/02
Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/8/02

2/4/02
Approval Date

2/8/02
Effective Date

Station Duty Officer (SDO)

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

Section A: Initial Actions

- ☐ 1. Notify CR-DSEO of arrival and obtain briefing.
- ☐ 2. IF the emergency event is occurring off hours (6:00pm to 4:00am) or on a weekend, prepare an audix recording of the DSEO/ADTS Briefing Sheet as follows:
 - a) Obtain a copy of EPI-FAP15-001, "DSEO/ADTS Briefing Sheet," from the CR-DSEO.
 - b) Complete as much information as possible.
 - c) Obtain additional information from the CR-DSEO and complete the form as much as necessary.

NOTE

- 1. It is imperative that the NRC be notified within 60 minutes of event declaration. Preparing the audix recording must be done expeditiously. As the 60-minute mark is being approached, the number one priority switches to NRC notification.
- 2. There is a 5 minute maximum recording time for the message.
- 3. If an item is missed, do not re-record.

- d) Record information from EPI-FAP15-001 on audix as follows:
 - 1) Dial x4371.
 - 2) Enter x4330# and password 37369# (DSEO9).
 - 3) Enter "1" to record a message.
 - 4) Read the information from the Briefing Sheet.
 - 5) When complete, enter # to approve.
 - 6) When prompted to enter extensions and # sign, enter *5#.
 - 7) When prompted to enter list I.D. and # sign, enter 1#.
 - 8) When prompted to enter extensions, enter #.
 - 9) When prompted to send, enter #.
 - 10) Hang up the phone.
 - 11) Dial x4371.

12) Enter x4330# and password 37369#.

13) Enter "2" to retrieve message and verify message was sent.

e) Fax copy of EPI-FAP15-001 to EOF and TSC.

- ☐ 3. IF requested, assist the CR-DSEO with precautionary dismissal or evacuation in accordance with EPI FAP08, "Evacuation and Assembly."
- ☐ 4. IF necessary, contact and brief the unaffected unit Shift Manager of the event.

NOTE

NRC must be notified within 60 minutes of event classification.

- ☐ 5. Notify the NRC Operations Center per EPI-FAP07, "Notifications and Communications," and if requested, maintain continuous communications.
- ☐ 6. Assist ST in performing other initial notifications such as:
 - NRC Resident
 - Non-responding offsite agencies
 - Richmond Control Center Security Specialist
 - Other
- ☐ 7. Notify SSS (CAS) of any restrictions on SERO access into the protected area to staff the ERFs.
- ☐ 8. IF directed by CR-DSEO, issue station announcements.
- ☐ 9. Maintain a log of significant events and communications on the SERO Log Sheet.

Section B: Recurring Actions

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

Prepared by: _____

Signature

Print

Date

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 5

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

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

MP-26-EPI-FAP01-007, "Control Room Data Coordinator (CRDC)"

Major Revision 2

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020107-152651

Initiated By: M. White Date 1/7/02 Department: EPSP Ext.: 2101

Document No.: MP-26-EPI-FAP01-007 Rev. No.: 002 Minor Rev.: 00

Title: Control Room Data Coordinator (CRDC)

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

AR 01000841

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☒ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 alt 3

☐ Edit Corr.:

☐ Non-Intent Change

(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>		Print	Sign	Date	SQR Qualified			✓ if Comments
					Yes	No	Dept.	
50.5468	<input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Writer's Guide	<input checked="" type="checkbox"/>	m manjeski	M Manjeski	1/29/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SPS	
Validation	<input checked="" type="checkbox"/>	J. Fuller	J Fuller	1/16/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Training	
RCD	<input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Environmental	<input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	
Licensing Basis	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Independent	<input checked="" type="checkbox"/>	K. Burgess	K Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPSP	✓

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Process Owner

Responsible Individual

Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign

Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/8/02

MP-05-DC-SAP01-001

Rev. 003-01

Page ____ of ____

2/4/02
Approval Date

2/8/02
Effective Date

Control Room Data Coordinator (CRDC)

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

Section A: Initial Actions - Affected Unit CRDC

- ☐ 1. Notify CR-DSEO/MCRO of arrival.
- ☐ 2. Consult CR-DSEO or SDO to determine event conditions and status.
- ☐ 3. Establish communications with the TIC using the Ops Net or other means of communications.
- ☐ 4. 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.

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

Section A: Initial Actions - Affected Unit CRDC

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

Section B: Non-Affected Unit CRDC Actions

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

Section C: Event Termination

- ☐ 1. WHEN notified of SERO termination by the TIC, perform the following:
- 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

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 6

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

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

MP-26-EPI-FAP02-002, "TSC Shift Manager (TSCSM)"

Major Revision 0, Minor Revision 1

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020131-141543

Initiated By: Tom Rigney Date 2/4/02 Department: EPSD Ext.: 6586

Document No.: MP-26-EPI-FAP02-002 Rev. No.: 000 Minor Rev.: 01

Title: TSC SHIFT MANAGER

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

Address a drill comment (A/R 01005048-05/CR-01-06801)

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☐ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☒ Non-Intent Change

(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	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"/>		
50,549 <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Environmental SCREEN <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Independent <input checked="" type="checkbox"/>	KR Burgess	KR Burgess	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

KR Burgess 4/2/02
SQR Qualified Independent Reviewer / Date

Paul Blaisdell
Process Owner

Responsible Individual

2/4/02

Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign

Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/7/02

2/4/02
Approval Date

2/7/02
Effective Date

TSC Shift Manager (TSCSM)

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

Section A: Initial Actions

- ☐ 1. Key into the TSC and sign in on TSC Staffing Board.
- ☐ 2. Initiate a log of significant events and communications on EPI-FAP15- 012, "SERO Log Sheet," log date and arrival time.
- ☐ 3. Establish communications with affected unit Control Room and determine the event conditions and status.
- ☐ 4. Request Control Room keep an open speaker phone so actions can be monitored.

①

Section B: Recurring Actions

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

Prepared by: _____

Signature

Print

Date

Docket Nos. 50-245
50-336
50-423
B18588

Attachment 7

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

Emergency Procedures Implementing (EPI) Functional Administrative Procedure (FAP)
MP-26-EPI-FAP02-006, "Manager of Technical Support Center (MTSC)"
Major Revision 0, Minor Revision 2



Document Action Request						SPG # 020114-115420	
Initiated By: Mark White		Date: 01/13/2002		Department EP		Ext 2101	
Document No: MP-26-EPI-FAP02-006				Rev. No: 000		Minor Rev No. 02	
Title: Manager of Technical Support Center							
Reason for Request (attach commitments, CR's, AR's, etc) Minor drill comment.							
Select One <small>See MP-05-DC-SAP01 sect 2.3 to determine type of change</small>							
<input type="checkbox"/> Intent Change <small>(SQR Independent, RCD, ENV Screen Required)</small> <small>(Other reviews may be required. See MP-05-DC-FAP 01.1 Att 3)</small>				<input type="checkbox"/> Edit Corr			
<input checked="" type="checkbox"/> Non-Intent Change <small>(Only SQR Independent Review and Env. screen Required)</small>							
Editorial Correction Approval _____ Plant Mngt Staff Member - Approval / Date				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: <input checked="" type="checkbox"/> Perform Now <input type="checkbox"/> Perform Later - See Comments							
Activity: <input type="checkbox"/> Revision <input checked="" type="checkbox"/> Minor Revision <input type="checkbox"/> Cleanup Rev <input type="checkbox"/> Biennial Review <input type="checkbox"/> Cancellation <input type="checkbox"/> Supercedure <small>See DC-GD101 for guidance</small>							
<input type="checkbox"/> TPC <input type="checkbox"/> OTC <input type="checkbox"/> Place in Void							
Reviews <small>continued</small> <input type="checkbox"/>		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"/>	
50.549 <input checked="" type="checkbox"/>		MARK WHITE	<i>for wht</i>	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D
Env Screen <input checked="" type="checkbox"/>		MARK WHITE	<i>for wht</i>	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D
licensing basis <input type="checkbox"/>		N/A. m.d. 1/15/02			<input type="checkbox"/>	<input type="checkbox"/>	
Independent <input checked="" type="checkbox"/>		Kathleen Burgess	Kathleen Burgess	1/15/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EP&D
An NRRL update was required? <input checked="" type="checkbox"/> Yes							
1. <input checked="" type="checkbox"/> SQR Program Final Review and Approval Approval <input checked="" type="checkbox"/> Disapproval <input type="checkbox"/> Kathleen Burgess 1/15/02 SQR Qualified Independent Reviewer / Date <i>Cathy Ludwig</i> Department Head/Responsible Individual 1/22/02 Approval Date				2. <input type="checkbox"/> SORC <input checked="" type="checkbox"/> RI/DH Final Review and Approval N/A Department Head/Responsible Individual Sign Meeting No. _____ SORC Approval Signature _____ Approval Date			
Effective Date 1/25/02							

1-22-02

Approval Date

1-25-02

Effective Date

Manager of Technical Support Center (MTSC)

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

Section A: Initial Actions

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

NOTE

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

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

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

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

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

②

Section B: Recurring Activities



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

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

NOTE

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

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

Section B: Recurring Activities

NOTE

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

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

Prepared by: _____

Signature

Print

Date

Section C: TSC/OSC Ventilation Alignment

NOTE

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

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

CAUTION

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

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

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

Section D: Event Termination Activities

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

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

Prepared by: _____
Signature Print Date

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 8

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

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

MP-26-EPI-FAP04-013, "Manager of Communications (MOC)"

Major Revision 1, Minor Revision 2

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020131-142203

Initiated By: Tom Rigney Date 2/4/02 Department: EPSD Ext.: 6586

Document No.: MP-26-EPI-FAP04-013 Rev. No.: 001 Minor Rev.: 02

Title: Manager of Communications

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

Address a drill comment (A/R 01005048-05/CR-01-06801)

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☐ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☒ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

TPC Interim Approval

Plant Mgmt Staff Member - Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GD01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	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"/>		
50.540 <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Environmental <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Independent <input checked="" type="checkbox"/>	KR Burgess	KR Burgess	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	✓

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

KR Burgess 2/4/02
SQR Qualified Independent Reviewer / Date
P. Blasioli
Process Owner
Responsible Individual
2/5/02
Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/7/02

2/5/02
Approval Date

2/7/02
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. | ①
- ☐ 4. Access OFIS in accordance with EPI-FAP15-006, "OFIS Instructions."
- ☐ 5. Establish communications with the CRDC via the Ops Net or other means of communications. | ②

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 D, "Emergency Notification System NRC Data Sheet," and provide requested parameters to the TIC. | ①
 - c. Fax or verbally transmit data to the NRC Emergency Operation Center and NRC Region One Incident Response Center.
 - d. Direct the TIC to update the Critical Parameters status board with additional parameters.
- ☐ 8. IF the NRC requests information other than plant parameter data or plant conditions, consult with the following.
 - IF questions are radiological in nature, direct questions to MRDA.
 - IF questions are specific to plant conditions, direct question to ADTS.
- ☐ 9. Refer To EPUG 08B, "Millstone Emergency Plan Resource Book," and notify INPO Emergency Preparedness Duty Officer of event in progress.

Section B: Recurring Actions

- ☐ 1. IF NRC requests information other than plant parameters, plant conditions and EOPs in use, notify the ADEOF.
- ☐ 2. IF unable to obtain plant parameter data from OFIS, perform the following:
 - Request the TIC provide the plant parameter data approximately every 15 minutes or as significant changes in the data occur.
 - Provide the data to NRC.
- ☐ 3. Refer To Section D, "Emergency Notification System NRC Data Sheet," and update, as necessary.
- ☐ 4. Coordinate continuous communications between SERO and NRC.
- ☐ 5. IF requested, FAX the OFIS plant parameter data sheets to the NRC Emergency Operations Center and the NRC Region 1 Incident Response Center.

Section B: Recurring Actions

- ☐ 6. Request communications assistance from the following, as necessary:
- TIC
 - CRDC
 - ADTS
 - ADEOF
 - MRDA
 - Shift Technician
- ☐ 7. IF the NRC provides information regarding NRC Site Team, provide information to the ADEOF, MOR, and Regulatory Liaison for coordination of NRC Site Team logistics.

Section C: Termination Actions

- ☐ 1. WHEN SERO termination is directed by DSEO, perform the following:
- Transmit SERO status to NRC via ENS.
 - Record SERO termination in MOC Logbook.

NOTE

ERDS activation is not required for a Unit 1 event.

- Request Control Room for the affected unit to terminate the ERDS connection.

①

Prepared by: _____

Signature

Print

Date

Section D: Emergency Notification System NRC Data Sheet

(Use additional sheets as necessary.)

INFORMATION REQUESTED (date/time):

INFORMATION PROVIDED (date/time):

INFORMATION REQUESTED (date/time):

INFORMATION PROVIDED (date/time):

INFORMATION REQUESTED (date/time):

INFORMATION PROVIDED (date/time):

INFORMATION REQUESTED (date/time):

INFORMATION PROVIDED (date/time):

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 9

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

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

MP-26-EPI-FAP04-014, "Technical Information Coordinator (TIC)"

Major Revision 0, Minor Revision 2

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020131-142555

Initiated By: Tom Rigney Date 2/4/02 Department: EPSD Ext.: 6586

Document No.: MP-26-EPI-FAP04-014 Rev. No.: 000 Minor Rev.: 02

Title: TECHNICAL INFORMATION COORDINATOR

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

Address a drill comment (A/R 01005048-05/CR-01-06801)

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☐ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☒ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	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"/>		
SO. SQR <input checked="" type="checkbox"/>	<u>Tom Rigney</u>	<u>Tom Rigney</u>	<u>2/4/02</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>EPD</u>	
Environmental Screen <input checked="" type="checkbox"/>	<u>Tom Rigney</u>	<u>Tom Rigney</u>	<u>2/4/02</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>EPD</u>	
Independent <input checked="" type="checkbox"/>	<u>KR Burgess</u>	<u>KR Burgess</u>	<u>2/4/02</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>EPD</u>	

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

KR Burgess 2/4/02
SQR Qualified Independent Reviewer / Date

Patricia Fitch
Process Owner

Responsible Individual

2/4/02

Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign

Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/7/02

2/4/02
Approval Date

2/7/02
Effective Date

Technical Information Coordinator (TIC)

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

Section A: Initial Actions

- ☐ 1. Sign in on the EOF Staffing Board and log date and arrival time on the SERO Log Sheet.
- ☐ 2. Notify DSEO of arrival and obtain event conditions and status update.
- ☐ 3. Maintain a log of significant events and communications on the SERO Log Sheet.

NOTE

For a Unit 1 event, the Unit 2 and Unit 3 CRDCs report to the Unit 2 control room.

- ☐ 4. Establish communications with CRDC via the Ops Net or other means of communications and perform the following:
 - a. Determine the event conditions and status.
 - b. Ensure the EOF clocks are synchronized with the plant process computer.
 - c. Instruct the CRDC to provide a chronology of major control room actions, including ONP and EOP procedures.
- ☐ 5. Record the names of the CRDCs on EOF Staffing Board.
- ☐ 6. Access OFIS per EPI-FAP15-006, "OFIS Instructions."

Section B: Subsequent and Recurring Actions

- ☐ 1. Direct actions of the other TIC, as necessary.
- ☐ 2. Monitor communications and provide input or request clarification, as necessary.
- ☐ 3. Review EPI-FAP06 for EAL initiating conditions and determine Fission Product Barrier Status and track possible paths to escalation.
- ☐ 4. Notify the DSEO and the ADEOF of potential changes to emergency classification or plant conditions which may affect PARs.

Section B: Subsequent and Recurring Actions

- ☐ 5. Provide DSEO and ADEOF with the following event updates:
 - Procedures in use (e.g. EOPs, AOPs, etc.)
 - Changing plant parameters
 - Fast-breaking events
 - Barrier Status (i.e. Barriers failed or potential for failure)

- ☐ 6. IF the ADEOF or SERO Managers request plant parameter data *not* available on OFIS, perform the following:
 - a. Record Description/Plant ID of requested data on EPI-FAP15-004, "Plant Parameter Data Requested/Provided."
 - b. Notify affected unit CRDC of the data requested and obtain data via telephone, fax machine, or manually (data screen entry).
 - c. Provide data to the individual who made the request.

- ☐ 7. IF OFIS is operable, maintain the Critical Parameters status board and inform the DSEO approximately every 15 minutes or as significant changes occur.

- ☐ 8. IF OFIS is inoperable, perform the following:
 - a. Obtain data verbally from the CRDC and record it on one of the following, as applicable:
 - EPI-FAP15-007, "Critical Parameter Data Sheet - MP1"
 - EPI-FAP15-008, "Critical Parameter Data Sheet - MP2"
 - EPI-FAP15-009, "Critical Parameter Data Sheet - MP3"
 - b. Maintain and update the Critical Parameters status board at 15 minute intervals.
 - c. Consult with personnel on the Operations Net and determine if additional data is required.
 - Obtain requested data from the CRDC and record on applicable Critical Parameter Data Sheet.
 - Provide the completed form to the requestor.
 - Update changing plant parameter data and provide data to requestor approximately every 15 minutes or until no longer requested.

Section B: Subsequent and Recurring Actions

- ☐ 9. Provide technical assistance to the following, as requested:
- DSEO
 - MOC
 - TA
 - MPI
 - Other SERO Managers
- ☐ 10. Maintain and update the Chronology of Key Events status board and Critical Parameters status board as significant events occur.
- ☐ 11. Provide recommendations for shift relief to the MOR, as requested.

Section C: Termination Actions

- ☐ 1. WHEN SERO termination is directed by the DSEO, perform the following:
- Terminate OFIS.
 - Record SERO termination in TIC Logbook.

Prepared by: _____

Signature

Print

Date

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 10

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

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

MP-26-EPI-FAP05-002, "Technical Assistant (TA)"

Major Revision 0, Minor Revision 1

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG# 020131-142954

Initiated By: Tom Rigney Date 2/4/02 Department: EPSD Ext.: 6586

Document No.: MP-26-EPI-FAP05-002 Rev. No.: 000 Minor Rev.: 01

Title: TECHNICAL ASSISTANT

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

Address a drill comment (A/R 01005048-05/CR-01-06801)

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☐ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☐ Edit Corr.:

☒ Non-Intent Change
(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

Activity: ☐ Revision ☒ Minor Revision ☐ Cleanup Rev ☐ Biennial Review ☐ Cancellation ☐ Supercedure
See DC-GDL01 for guidance

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	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"/>		
50,540 <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Environmental SCREEN <input checked="" type="checkbox"/>	Tom Rigney	Tom Rigney	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	
Independent <input checked="" type="checkbox"/>	KRBurgess	KRBurgess	2/4/02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EPD	

An NRRL Update Required ☒ YES

1. ☒ SQR Program Final Review and Approval

Approval ☒ Disapproval ☐

KRBurgess 2/4/02
SQR Qualified Independent Reviewer / Date

Patricia L. Luby for Paul Blum
Process Owner

Responsible Individual

2/4/02

Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 2/7/02

2/4/02

Approval Date

2/7/02

Effective Date

Technical Assistant (TA)

This form provides guidance to the Technical Assistant (TA) for emergency response actions during an emergency that activates the SERO.

Section A: Initial Actions

- ☐ 1. Upon arrival at the SEOC, notify Executive Spokesman.
- ☐ 2. Verify availability of OFIS and Refer To EPI-FAP15-006 "OFIS Instructions" and log onto OFIS.
- ☐ 3. As deemed necessary, access and monitor the OPs Net using the posted job aid instructions. | ①
- ☐ 4. Refer to EPUG 08B, "Millstone Emergency Preparedness Resource Book," as necessary, and obtain additional information by phone the TIC at the EOF.

Section B: Recurring Actions

- ☐ 1. Provide plant status and parameters obtained from OFIS or the TIC or CRDC, at regular (30 minute) intervals to the ES.
- ☐ 2. Provide projections of event classifications and basis.
- ☐ 3. Provide actions taken at the site, such as PADs, i.e., evacuation, KI usage.
- ☐ 4. Provide information on radioactive releases imminent, ongoing, or terminated.
- ☐ 5. IF plant conditions change, Refer To EPI-FAP15-001 "DSEO/ADTS Briefing Sheet"
- ☐ 6. Maintain Executive Spokesperson logbook, as directed.
- ☐ 7. Monitor OFIS data points, as requested, Refer To Section C, "Specific Parameter Monitoring," and maintain data.

Prepared by:

Signature

Print

Date

Section C: Specific Parameter Monitoring

[illegible]

NOTES:

Docket Nos. 50-245

50-336

50-423

B18588

Attachment 11

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

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

MP-26-EPI-FAP15-006, "OFIS Instructions"

Major Revision 0, Minor Revision 3

8/22/01
Approval Date

8/23/01
Effective Date

Document Action Request

SPG#

011 004-094221

Initiated By: Tom Gilbert Date 12/3/01 Department: EPSD Ext.: 3465

Document No.: MP-26-EPI-FAP15-006 Rev. No.: 000 Minor Rev.: 03

Title: OFIS Instruction

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

Correct rev bar number on form. Change number from 1 to 2.

Continued ☐

Select one (See MP-05-DC-SAP01 sect 2.3 to determine type of change)

☐ Intent Change (SQR Independent, RCD, Env Screen Required)
Other reviews may be required. See MP-05-DC-FAP 01.1 att 3

☒ Edit Corr.:

☐ Non-Intent Change

(Only SQR Independent Review and Env. screen Required)

Editorial Correction Approval

Peter A. Luby 12/3/01
Plant Mgmt Staff Member - Approval

TPC Interim Approval

(1) Plant Mgmt Staff Member Print/Sign/Date

(2) SM/SRO/CFH Print/Sign/Date

Procedure Request/Feedback Disposition

Priority: ☒ Perform Now ☐ Perform Later

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

☐ TPC ☐ OTC ☐ Place in VOID

Reviews continued <input type="checkbox"/>	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"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Independent <input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		

An NRRL Update Required ☐ YES

1. ☐ SQR Program Final Review and Approval

Approval ☐ Disapproval ☐

SQR Qualified Independent Reviewer / Date

Process Owner
/ Responsible Individual

Approval Date

2. ☐ SORC ☐ RI/PO Final Review and Approval

Process Owner / Responsible Individual Sign
Meeting No.: _____

SORC Approval Signature

Approval Date

Effective Date: 12/3/01

12/3/01

Approval Date

12/3/01

Effective Date

OFIS Instructions

Section A: Equipment Start Up Steps

☐ Access R*Time OFIS from Personal Computer (Preferred Method)

This is the preferred connection during Station Emergency. Allows user access to both Unit 2 and Unit 3 OFIS information.

1. Open the "OFIS" icon.
2. Select "Connect to Millstone LAN" from the "Millstone OFIS Connect Menu."
3. Select "MP2 OFIS" or "MP3 OFIS" from the "Millstone Station PPC Top Menu."

☐ Access R*Time OFIS from Personal Computer (Alternate Method)

This method provides connection to Unit 2(3) PPC during Station Emergency. Use if Public LAN fails.

1. Open the "OFIS" icon.
2. Select "Connect to Unit 2 PPC" or "Connect to Unit 3 PPC" from the "Millstone OFIS Connect Menu."
3. Select "OFIS" from the "UNIT 2(3) PPC Top Menu."

☐ Access R*Time OFIS from Personal Computer (Simulator Drills)

This method provides connection to Unit 2(3) simulator during E-Plan drills.

1. Open the "OFIS" icon.
2. Select "Unit 2 Drill" or "Unit 3 Drill" from the "Millstone OFIS Connect Menu."
3. Select "OFIS" from the "UNIT 2(3) PPC Top Menu."

☐ Access R*Time OFIS from Personal Computer State EOC

In addition to selecting the appropriate method to access OFIS, a password is required at the State EOC.

1. Open the "OFIS" icon.
2. Select "Connect to Millstone LAN" from the "Millstone OFIS Connect Menu" or other desired connection.
3. Select "Dial" on the Dial-Up Networking box.

Note

You will have three (3) attempts to log in correctly. After three unsuccessful attempts, the message box "The script has halted" will appear.

4. When the "After Dial Terminal" screen appears, at the "Enter Passcode:" prompt, first enter "dragon" (without the quotes) followed by the token code number displayed on the SecurID card (with no blank spaces or extra characters between them) within 30 seconds of the prompt, and then press enter.
5. If the attempt to log in has been unsuccessful, wait until a new token code number appears on the SecurID card and repeat step 4.
6. If log in fails, as indicated by "The script has halted" message, then restart process from step 2.
7. When successfully logged in, select "MP2 OFIS" or "MP3 OFIS" from the "Millstone Station PPC Top Menu."

1
2
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