



Duke Energy Corporation

McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-9340
(704) 875-4800 OFFICE
(704) 875-4809 FAX

H. B. Barron
Vice President

May 29, 2001

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: McGuire Nuclear Station Unit 1 Docket No. 50-369
McGuire Nuclear Station Unit 2 Docket No. 50-370
Changes to Emergency Plan Implementing Procedures

Attached to this letter are a revised Emergency Plan Implementing Procedure (EPIP) Index and four revised Emergency Plan Implementing Procedures. These procedure changes were evaluated pursuant to the requirements of 10 CFR 50.54 (q). These changes do not constitute a reduction in the effectiveness of the emergency plan and the plan continues to meet the requirements of 10 CFR 50.47 (b) and 10 CFR 50 Appendix E. Duke implemented these changes on May 22, 2001. Revision bars in the procedures indicate the procedure changes. The following index and procedure changes have been implemented:

EPIP Index Page 1	RP/0/A/5700/008
EPIP Index Page 2	RP/0/A/5700/010
EPIP Index Page 3	RP/0/B/5700/023
RP/0/A/5700/006	

There are no new regulatory commitments in this document. Duke is also supplying two copies of this submittal to the Regional Administrator of Region II. Questions on this document should be directed to Steve Mooneyhan at (704) 875-4646.

Very truly yours,

H. B. Barron
Vice President, McGuire Nuclear Station
Duke Energy Corporation

HBB:jcm

Attachments

A045

U.S. Nuclear Regulatory Commission
May 29, 2001
Page 2

xc: (w/attachment)
Mr. Luis Reyes,
Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303

(w/attachment)
Mr. William F. Kane, Director
Office of Nuclear Material Safety and Safeguards
Mail Stop 8D43
Washington, D.C. 20555-0001

(w/o attachment)
NRC Resident Inspector

R. E. Martin, USNRC

Mike Wilder (EC050)

Electronic Licensing Library (EC050)

EP File 111

DUKE

McGUIRE NUCLEAR SITE

EMERGENCY PLAN IMPLEMENTING PROCEDURES

APPROVED: *Ryan Polan*
SAFETY ASSURANCE MANAGER

DATE APPROVED 5/22/01

EPIP Index Page 1	Dated	05/22/2001
EPIP Index Page 2	Dated	05/22/2001
EPIP Index Page 3	Dated	05/22/2001
RP/0/A/5700/006	Dated	05/22/2001
RP/0/A/5700/008	Dated	05/22/2001
RP/0/A/5700/010	Dated	05/22/2001
RP/0/B/5700/023	Dated	05/22/2001

EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

<u>PROCEDURE #</u>	<u>TITLE</u>	<u>REVISION NUMBER</u>
RP/0/A/5700/000	Classification of Emergency	Rev. 006
RP/0/A/5700/001	Notification of Unusual Event	Rev. 015
RP/0/A/5700/002	Alert	Rev. 015
RP/0/A/5700/003	Site Area Emergency	Rev. 015
RP/0/A/5700/004	General Emergency	Rev. 015
RP/0/A/5700/05	Care and Transportation of Contaminated Injured Individual(s) From Site to Offsite Medical Facility	DELETE
RP/0/A/5700/006	Natural Disasters	Rev. 008
RP/0/A/5700/007	Earthquake	Rev. 006
RP/0/A/5700/008	Release of Toxic or Flammable Gases	Rev. 004
RP/0/A/5700/09	Collisions/Explosions	Rev. 000
RP/0/A/5700/010	NRC Immediate Notification Requirements	Rev. 013
RP/0/A/5700/011	Conducting a Site Assembly, Site Evacuation or Containment Evacuation	Rev. 005
RP/0/A/5700/012	Activation of the Technical Support Center (TSC)	Rev. 019
RP/0/A/5700/013	Activation of the Emergency Operations Facility (EOF)	DELETE
RP/0/A/5700/14	Emergency Telephone Directory	DELETE
RP/0/A/5700/015	Notifications to the State and Counties from the EOF	DELETE
RP/0/A/5700/16	EOF Commodities and Facilities Procedure	DELETE
RP/0/A/5700/17	Emergency Data Transmittal System Access	DELETE
RP/0/A/5700/018	Notifications to the State and Counties from the TSC	Rev. 008
RP/0/A/5700/019	Core Damage Assessment	Rev. 003
RP/0/A/5700/020	Activation of the Operations Support Center (OSC)	Rev. 011
RP/0/A/5700/21	EOF Access Control	DELETE
RP/0/A/5700/022	Spill Response Procedure	Rev. 009
RP/0/A/5700/024	Recovery and Reentry Procedure	Rev. 001
RP/0/A/5700/026	Operations/Engineering Technical Evaluations in the Technical Support Center (TSC)	Rev. 002
RP/0/B/5700/023	Community Relations Emergency Response Plan	Rev. 002
OP/0/B/6200/090	PALSS Operation for Accident Sampling	Rev. 010

EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

<u>PROCEDURE #</u>	<u>TITLE</u>	<u>REVISION NUMBER</u>
HP/0/B/1009/002	Alternative Method for Determining Dose Rate Within the Reactor Building	Rev. 002
HP/0/B/1009/003	Recovery Plan	Rev. 003
HP/0/B/1009/05	Initial Evaluation of Protective Action Guides Due to Abnormal Plant Conditions	DELETED
HP/0/B/1009/006	Procedure for Quantifying High Level Radioactivity Releases During Accident Conditions	Rev. 005
HP/0/B/1009/010	Releases of Radioactive Effluents Exceeding Selected Licensee Commitments	Rev. 005
HP/1/B/1009/015	Unit 1 Nuclear Post-Accident Containment Air Sampling System Operating Procedure	Rev. 003
HP/2/B/1009/015	Unit 2 Nuclear Post-Accident Containment Air Sampling System Operating Procedure	Rev. 003
HP/0/B/1009/016	Distribution of Potassium Iodide Tablets in the Event of a Radioiodine Release	Rev. 001
HP/0/B/1009/020	Manual Procedure for Offsite Dose Projections	DELETED
HP/0/B/1009/021	Estimating Food Chain Doses Under Post-Accident Conditions	Rev. 001
HP/0/B/1009/022	Accident and Emergency Response	Rev. 002
HP/0/B/1009/023	Environmental Monitoring for Emergency Conditions	Rev. 003
HP/0/B/1009/024	Personnel Monitoring for Emergency Conditions	Rev. 001
HP/0/B/1009/029	Initial Response On-Shift Dose Assessment	Rev. 005
SH/0/B/2005/001	Emergency Response Offsite Dose Projections	Rev. 001
SH/0/B/2005/002	Protocol for the Field Monitoring Coordinator During Emergency Conditions	Rev. 001
SR/0/B/2000/01	Standard Procedure for Public Affairs Response to the Emergency Operations Facility	Rev. 002
SR/0/B/2000/002	Standard Procedure for EOF Commodities and Facilities	Rev. 001
SR/0/B/2000/003	Activation of the Emergency Operations Facility	Rev. 007
SR/0/B/2000/004	Notification to States and Counties from the Emergency Operations Facility	Rev. 002

EMERGENCY PLAN IMPLEMENTING PROCEDURES INDEX

<u>PROCEDURE #</u>	<u>TITLE</u>	<u>REVISION NUMBER</u>
McGuire Site Directive 280	Site Assembly/Accountability and Evacuation/Containment Evacuation	DELETED
EP Group Manual	Section 1.1 Emergency Organization	Rev. 017
MNS RP Manual:	Section 18.1 Accident and Emergency Response	DELETED
	Section 18.2 Environmental Monitoring for Emergency Conditions	DELETED
	Section 18.3 Personnel Monitoring for Emergency Conditions	DELETED
	Section 18.4 Planned Emergency Exposure	DELETED
PT/0/A/4600/088	Functional Check of Emergency Vehicle and Equipment	Rev. 006

Duke Power Company
PROCEDURE PROCESS RECORD

PREPARATION

(2) Station McGuire Nuclear Station
(3) Procedure Title Natural Disasters

(4) Prepared By [Signature] Date 3/7/01

- (5) Requires 10CFR50.59 evaluation?
 - Yes (New procedure or revision with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By Alan L. Beaver (QR) Date 4/25/01
 Cross-Disciplinary Review By _____ (QR) NA ALB Date 4/25/01
 Reactivity Mgmt. Review By _____ (QR) NA ALB Date 4/25/01

(7) Additional Reviews
 Reviewed By _____ Date _____
 Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)
 By _____ (SRO/QR) Date _____
 By _____ (QR) Date _____

(9) Approved By [Signature] Date 5/22/01

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____

(11) Date(s) Performed _____
 Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
- Yes N/A Check lists and/or blanks initialed, signed, dated or filled in NA, as appropriate?
 - Yes N/A Listed enclosures attached?
 - Yes N/A Data sheets attached, completed, dated and signed?
 - Yes N/A Charts, graphs, etc. attached, dated, identified, and marked?
 - Yes N/A Procedure requirements met?
- Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

(14) Remarks (attach additional pages, if necessary)

Duke Power Company McGuire Nuclear Station	Procedure No.
	RP/0/A/5700/006
	Revision No. 008
Natural Disasters	Electronic Reference No. MC0094MH
Multiple Use	

Natural Disasters

1. Symptoms

The following conditions are observed on the site or notification from the National Weather Service, System Dispatcher, or local radio broadcast has been received that the condition is imminent or occurring:

- Hurricane Watch or Warning for Mecklenburg County: As reported by the National Weather Service.
- High Wind Speed: Sustained (greater than 15 minutes) wind speed >60 mph as reported by the National Weather Service or from the environmental tower (Environmental tower wind speed over-ranged).
- Flood or Seiche: Flood on site or an earthquake induced tidal wave on the lake.
- Tornado Watch in Mecklenburg County: A tornado watch means conditions are favorable for a tornado to occur.
- Tornado Warning in Mecklenburg County: A tornado warning indicates that an actual tornado has been reported to the National Weather Service or has been sighted on radar.
- Low Lake Level: Lake Normal level has dropped to the ≤ 745 foot elevation.
- High Lake Level: Lake Normal level has risen to the ≥ 767.9 foot elevation.

2. Immediate Action

None

3. Subsequent Actions

- 3.1 Notify the Operations Shift Manager.
- 3.2 **IF** design basis conditions are exceeded which jeopardize the safe operation of the reactor, **THEN** take the units to hot standby.

Design Basis	Sustained Winds	High Lake Level	Low Lake Level
Conditions	>95 mph	≥ 767.9 ft.	≤ 745 ft.

- 3.3 As directed by OSM, perform the following
- _____ 3.3.1 Turn on outside page speakers.
 - _____ 3.3.2 Using any plant phone in the Control Room horse shoe, or extension 4021, dial 710; pause, dial 80, and announce actual or impending condition over the plant page system and give a brief description.
 - _____ 3.3.3 Repeat the announcement.
 - _____ 3.3.4 Turn off outside speakers when announcements are complete.
- _____ 3.4 Notify the dispatcher of the actual or imminent condition.
- _____ 3.5 Notify Radiation Protection to minimize or stop all handling of radioactive materials.
- _____ 3.6 Notify Radwaste Chemistry to minimize or stop all handling of radioactive materials.
- NOTE:** It may be necessary to operate systems that release radioactivity such as VQ to maintain the plant, but operation of these systems should be minimized.
- _____ 3.7 Minimize or stop all radioactive releases to the environment for the duration of the emergency (VQ, VP, VE, LWRs, GWRs, etc.).

3.8 Notify the following groups to ensure the following doors are closed unless the event is Low Lake Level:

—— 3.8.1 Work Control Center:

- Warehouse doors
- All breached fire doors
- VE doors
- **IF** no obstructions prevent timely closure, **THEN** the equipment hatch should be closed for tornado protection. Consult Operations Shift Manager to evaluate closure requirements (fully closed or partially closed) in present mode of operation. {PIP 0-M96-1572}
- **IF** equipment hatch is unable to be closed, **THEN** the personnel airlock doors (inner or outer door) should be placed into service, if available. Consult Operations Shift Manager to evaluate closure requirements in present mode of operation. {PIP 0-M96-1572}

—— 3.8.2 Security:

- All CAD doors except for normal transit
- Spent Fuel Building Rollup doors.

—— 3.8.3 Radiation Protection:

- All Waste Shipping Facility Rollup and personnel access doors
- Staging Building Rollup door.

—— 3.8.4 Operations:

- All Turbine Building Rollup doors (truck corridor, by the Atmospheric Steam Dump valves, by the Auxiliary Electric Boiler, unit two turbine floor, north end)
- And all Turbine Building personnel access doors.

- 3.9 Take necessary steps to increase Upper Surge Tanks and Auxiliary Feedwater Condensate Storage Tank.
- 3.10 Classify the emergency per RP/0/A/5700/000 (Classification of Emergency) and commence notification and other protective measures as directed by appropriate Emergency Response Procedure.
- 3.11 **IF AT ANY TIME** conditions degrade to a point that the Control Room crew determines a reactor trip is prudent, **THEN** perform as follows:
 - 3.11.1 Trip the reactors.
 - 3.11.2 **GO TO** EP/1&2/A/5000/E-0 (Reactor Trip or Safety Injection) while continuing with this procedure.
- 3.12 For the following conditions, **GO TO** the following sections:
 - 3.12.1 Low Lake Level: **GO TO** Section 4.
 - 3.12.2 High Lake Level, Flood, Seiche: **GO TO** Section 5.
 - 3.12.3 Tornado Watch: **GO TO** Section 6.
 - 3.12.4 Tornado Warning: **GO TO** Section 7.
 - 3.12.5 High Winds or Hurricane: **GO TO** Section 8.

4. Subsequent Actions For Low Lake Level

- 4.1 **IF** Loss of RN suction from low level intake is imminent, **THEN GO TO** AP/1&2/A/5500/020 (Loss of Nuclear Service Water System) while continuing with procedure.
- 4.2 **REFER TO** RP/0/A/5700/000 (Classification of Emergency).
- 4.3 Consult with station management to consider shutting down both units, consider staffing the Technical Support Center and the Operations Support Center, or consider placing additional personnel on shift.

5. Subsequent Actions For High Lake Level, Flood Or Seiche

- NOTE:**
- Seiche is same as High Lake Level.
 - Actions may be performed simultaneously.

- 5.1 Notify the Work Control Center to take prudent actions to expedite the restoration of important plant systems and components (such as safety systems and electrical systems) which are out of service for maintenance or testing.
- 5.2 Determine the status of Electrical Power Sources (buslines, emergency diesels, SSF diesel generator, vital and non-vital batteries) and take any prudent actions to ensure their availability.
- 5.3 Monitor Groundwater Sumps and ensure sump levels are being maintained.
- 5.4 Monitor Turbine Building Sumps and ensure sump levels are being maintained.
- 5.5 Consult with station management to consider shutting down both units, consider staffing the Technical Support Center and the Operations Support Center or consider placing additional personnel on shift.
- 5.6 Operators should review EP/1&2/A/5000/ECA-0.0 (Loss of All AC Power) and AP/1&2/5500/007 (Loss of Electrical Power) and take any prudent actions to ensure equipment required for station blackout response is available.
- 5.7 **WHEN** conditions permit, **THEN** contact the Work Control Center or the TSC (if activated), to organize a team to survey plant structures and equipment to determine the extent of damage if any and to develop contingency plans to repair any damaged structures or equipment.

6. Subsequent Actions For Tornado Watch

- NOTE:**
- A Tornado Watch indicates conditions are favorable for a tornado to occur.
 - Wind speed information > 90 mph shall be obtained from National Weather Service at 1-864-879-1085 (unpublished).
 - Actions may be performed simultaneously.

- 6.1 Contact the National Weather Service (1-864-879-1085), or Duke Power Meteorological group (704-594-0341), as required to obtain the latest information.
- 6.2 Ensure fuel handling activities are secured.
- 6.3 Notify the Work Control Center to take prudent actions to expedite the restoration of important plant systems and components (such as safety systems and electrical systems) which are out of service for maintenance or testing.
- 6.4 Determine the status of Electrical Power Sources (buslines, emergency diesel generators, SSF diesel generator, vital and non-vital batteries) and take any prudent actions to ensure their availability.

CAUTION: The site inspection is meant to be done before a tornado arrives on sight. It would **NOT** be prudent to send a team out to survey the site in the middle of a tornado. Operations Shift Manager discretion based on safety considerations should determine sending personnel for any site inspection.

- 6.5 **IF** time and personnel safety permit, **THEN** notify the Work Control Center, SWM, and Nuclear Site Services personnel (ext. 4303) to have appropriate personnel inspect the site (including the switchyard) for the following items and secure, or relocate them away from the site, or relocate to the NE side of the plant, if possible: {PIP 0-M96-0716}
 - Large cranes (lower boom to ground, if possible)
 - Lifting devices secured
 - Vehicles (ensure materials stacked on truck are tied down)
 - Hazardous Material containers
 - Trash bin or equipment on wheels
 - Compressed gas cylinders
 - Loose lumber or material near critical equipment.
- 6.6 Operators should review EP/1&2/A/5000/ECA-0.0 (Loss of All AC Power) and AP/1&2/5500/007 (Loss of Electrical Power) and take any prudent actions to ensure equipment required for station blackout response is available.

- 6.7 Notify the Work Control Center to have Maintenance stop use of the Turbine Building Cranes and park and anchor the cranes furthestmost from the Auxiliary Building.
- 6.8 **IF** Loss of RN suction from low level intake is imminent, **THEN GO TO** AP/1&2/A/5500/020 (Loss of Nuclear Service Water System) while continuing with this procedure.
- 6.9 Send an operator to ensure the equipment windows (2) on the north wall of each Turbine Building 786 ft. elevation are closed and locked.
- 6.10 This procedure remains in effect until one of the following conditions are met:
- • Termination of Tornado Watch for Mecklenburg County by National Weather Service
- OR**
- • Duke Power Meteorological Group (704-594-0341) verifies that a tornado threat to the McGuire Nuclear Site no longer exists.

7. Subsequent Actions For Tornado Warning

- NOTE:**
- Tornado Warning indicates that an actual tornado has been reported to NWS or has been sighted on radar.
 - Wind speed information > 90 mph shall be obtained from National Weather Service at 1-864-879-1085 (unpublished).
 - Actions may be performed simultaneously.

- ___ 7.1 Turn on outside page speakers.
- ___ 7.2 Using any plant phone in the Control Room horse shoe, or extension 4021, dial 710, pause, dial 80, and announce one of the following:
- **IF** the tornado is **NOT** expected to pass over the Site, **THEN** announce the following:

“Attention all plant personnel. Attention all plant personnel. This is the Operations Control Room. A tornado warning has been issued for Mecklenburg County. Be prepared to take shelter should a tornado develop on site. Further updates will be provided as conditions warrant.”
 - **IF** the tornado is expected to pass over the Site, **THEN** announce the following:

“Attention all plant personnel. Attention all plant personnel. This is the Operations Control Room. A tornado warning has been issued for Mecklenburg County. Take shelter immediately. Do **NOT** take shelter in temporary buildings or trailers. Further updates will be provided as conditions warrant.”
- ___ 7.3 Turn off outside page speakers when announcements are complete.
- ___ 7.4 Contact the National Weather Service (1-864-879-1085) or Duke Power Meteorological group (704-594-0541), as required to obtain the latest information.
- ___ 7.5 Ensure fuel handling activities are secured.
- ___ 7.6 Notify the Work Control Center to take prudent actions to expedite the restoration of important plant systems and components (such as safety systems and electrical systems) which are out of service for maintenance or testing.

- 7.7 Determine the status of Electrical Power Sources (buslines, emergency diesel generators, SSF diesel generator, vital and non-vital batteries) and take any prudent actions to ensure their availability.

CAUTION: The site inspection is meant to be done before a tornado arrives on sight. It would **NOT** be prudent to send a team out to survey the site in the middle of a tornado. Operations Shift Manager discretion based on safety considerations should determine sending personnel for any site inspection.

- 7.8 **IF** time and personnel safety permit, **THEN** notify the Work Control Center, SWM and Nuclear Site Services personnel (ext. 4303) to have appropriate personnel inspect the site (including the switchyard) for the following items and secure or relocate them away from the site or relocate to the NE side of the plant, if possible: {PIP 0-M96-0716}
- Large Cranes (lower boom to ground, if possible)
 - Lifting devices secured
 - Vehicles (ensure materials stacked on truck are tied down)
 - Hazardous Material containers
 - Trash bin or equipment on wheels
 - Compressed gas cylinders
 - Loose lumber or material near critical equipment
- 7.9 Operators should review EP/1&2/A/5000/ECA-0.0 (Loss of All AC Power) and AP/1&2/5500/007 (Loss of Electrical Power) and take any prudent actions to ensure equipment required for station blackout response is available.
- 7.10 Notify the Work Control Center to have Maintenance stop use of the Turbine Building Cranes and park and anchor the cranes furthest from the Auxiliary Building.
- 7.11 **IF** Loss of RN suction from low level intake is imminent, **THEN GO TO** AP/1&2/A/5500/020 (Loss of Nuclear Service Water System) while continuing with this procedure.
- 7.12 Send an operator to ensure the equipment windows (2) on the north wall of each Turbine Building 786 ft. elevation is closed and locked.

NOTE: Considerations should be given to the potential for difficulty to travel to the site following tornado due to debris.

- 7.13 Consult with station management to consider staffing the Technical Support Center and the Operations Support Center, or consider placing additional personnel on shift.

- 7.14 Consult with station management to evaluate conducting a site assembly and/or a site evacuation. **IF** a site assembly is **NOT** conducted, **THEN** evaluate evacuating site trailers.

NOTE: The following step places VA and VC in Tech Spec 3.0.3. {PIP-0-M-99-4081}

- 7.15 **IF** a tornado has been determined to be on site, **THEN** perform the following:
- 7.15.1 Shut down all VA fans.
- 7.15.2 Shut down all VF fans.
- 7.15.3 Close VC1A, 2A, 3B, 4B, 9A, 10A, 11B and 12B (Outside Air Intake Valves).
- 7.16 **IF** a tornado has been observed touching down on, or near site, **THEN REFER TO** RP/0/A/5700/000 (Classification of Emergency).
- 7.17 **IF** a tornado has been determined to be onsite, **THEN** notify the Work Control Center or TSC (if activated) to organize a team to survey the plant when conditions permit. Survey plant structures (including the switchyard) and equipment to determine the extent of the damage and develop contingency plans to repair any damaged structures or equipment.
- 7.18 If applicable, discuss the extent of plant damage caused by tornado with site management and determine the need for plant shutdown and/or repair.
- 7.19 After condition clears, realign any systems shutdown previously as desired.
- 7.20 This procedure remains in effect until one of the following conditions are met:
- • Termination of Tornado Warning for Mecklenburg County by National Weather Service
- OR**
- • Duke Power Meteorological Group (704-594-0341) verifies that a tornado threat to the McGuire Nuclear Site no longer exists

8. Subsequent Actions For High Winds Or Hurricane

- NOTE:**
- Wind speed information > 90 mph shall be obtained from National Weather Service at 1 864-879-1085 (unpublished).
 - Actions may be performed simultaneously.

- 8.1 **WHEN** the hurricane is within 24 hours from arriving onsite, **THEN** turn on the outside page speakers.
- 8.2 Using any plant phone in the Control Room horse shoe, or extension 4021, dial 710; pause, dial 80, and announce:
- “Attention all plant personnel. Attention all plant personnel. This is the Operations Control Room. Hurricane force winds are projected to be on site within 24 hours. Be prepared to take shelter should the hurricane force winds develop on site. Further updates will be provided as conditions warrant.”
- 8.3 Turn off the outside page speakers.
- 8.4 Operators should review EP/1&2/A/5000/ECA-0.0 (Loss of All AC Power) and AP/1&2/5500/007 (Loss of Electrical Power) and take any prudent actions to ensure equipment required for station blackout response is available.
- 8.5 Contact the National Weather Service (1-864-879-1085) or Duke Power Meteorological group (704-594-0541), as required to obtain the latest information.
- 8.6 Discussions should be held with the Station Manager so that a decision can be made on when and how to place the plant in a safe shutdown condition two hours before the anticipated hurricane arrival at the site (i.e., sustained wind speeds in excess of 73 mph). {PIP 0-M96-2508}

- NOTE:** Considerations should be given to the potential for difficulty to travel to the site following storm due to storm debris. {PIP 0-M96-2508}

- 8.7 **IF** not performed in RP/0/B/5700/027 (Hurricane Preparation), **THEN** consult with station management to consider staffing the Technical Support Center and the Operations Support Center, or consider placing additional personnel on shift.
- 8.8 **IF** Loss of RN suction from low level intake is imminent, **THEN GO TO** AP/1&2/A/5500/020 (Loss of Nuclear Service Water System) while following this procedure.
- 8.9 Ensure fuel handling activities are secured.

- 8.10 Notify the Work Control Center to take prudent actions to expedite the restoration of important plant systems and components (such as safety systems and electrical systems) which are out of service for maintenance or testing.
- 8.11 Any out of service battery chargers should be returned to service. {PIP 0-M96-2508}
- 8.12 Consult station management to evaluate testing on the onsite Diesel Powered VI compressors prior to arrival of hurricane onsite. {PIP 0-M96-2508}
- 8.13 Consult station management to evaluate starting, loading and testing D/Gs within 24 hours of hurricane force winds arriving on site. Previous run history of the D/Gs should be utilized when making this determination, it would be unnecessary to run any D/G ran within the previous 24 hours. {PIP 0-M96-2508}
- 8.14 Determine the status of Electrical Power Sources (buslines, emergency diesel generators, SSF diesel generator, vital and non-vital batteries) and take any prudent actions to ensure their availability.

CAUTION: The site inspection is meant to be done before high winds arrive on sight. It would **NOT** be prudent to send a team out to survey the site in the middle of high winds (sustained wind speed >60 mph). Operations Shift Manager discretion based on safety considerations should determine sending personnel for any site inspection.

- 8.15 **IF** not performed in RP/0/B/5700/027 (Hurricane Preparation), **AND** time and personnel safety permit, **THEN** notify the Work Control Center and SWM to have appropriate personnel inspect the site (including the switchyard) for the following items and secure or relocate them away from the site or relocate to the NE side of the plant (to reduce the potential for missiles), if possible: {PIP 0-M96-2508}
 - Large cranes (lower boom to ground, if possible)
 - Lifting devices (Outside Lift if being used for SGRP) secured
 - Vehicles (ensure materials stacked on truck are tied down)
 - Hazardous Material containers
 - Trash bin or equipment on wheels
 - Compressed gas cylinders
 - Loose lumber or material near critical equipment
- 8.16 Notify the Work Control Center to have Maintenance stop use of the Turbine Building Cranes and park and anchor the cranes furthest from the Auxiliary Building.
- 8.17 Send an operator to ensure the equipment windows (2) on the north wall of each Turbine Building 786 ft. elevation are closed and locked.
- 8.18 Monitor Groundwater Sumps and ensure sump levels are being maintained.

- 8.19 Monitor Turbine Building Sumps and ensure sump levels are being maintained.
 - 8.20 Consult with station management to evaluate conducting a site assembly and/or a site evacuation. **IF** a site assembly is **NOT** conducted, **THEN** evaluate evacuating site trailers.
 - 8.21 **REFER TO** RP/0/A/5700/000 (Classification of Emergency).
 - 8.22 **WHEN** conditions permit, contact the Work Control Center or the TSC (if activated) to organize a team to survey plant structures (including the switchyard) and equipment to determine the extent of damage, if any, and to develop contingency plans to repair any damaged structures or equipment.
 - 8.23 If applicable, discuss the extent of plant damage caused by hurricane with site management and determine the need for plant shutdown and/or repair.
 - 8.24 After condition clears, realign any systems shutdown previously as desired.
 - 8.25 This procedure remains in effect until one of the following conditions are met:
 - • Termination of Hurricane Conditions for Mecklenburg County by National Weather Service
- OR**
- • Duke Power Meteorological Group (704-594-0341) verifies that a hurricane threat to the McGuire Nuclear Site no longer exists

End Of Body

Duke Power Company
PROCEDURE PROCESS RECORD

PREPARATION

(2) Station McGuire Nuclear Station

(3) Procedure Title Release Of Toxic Or Flammable Gases

(4) Prepared By [Signature] Date 3/7/01

- (5) Requires 10CFR50.59 evaluation?
 - Yes (New procedure or revision with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By Alex L. Blawie (QR) Date 4/25/01
 Cross-Disciplinary Review By _____ (QR) NA ACB Date 4/25/01
 Reactivity Mgmt. Review By _____ (QR) NA ACB Date 4/25/01

(7) Additional Reviews
 Reviewed By _____ Date _____
 Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)
 By _____ (SRO/QR) Date _____
 By _____ (QR) Date _____

(9) Approved By [Signature] Date 05/22/01

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____

(11) Date(s) Performed _____
 Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
- Yes N/A Check lists and/or blanks initialed, signed, dated or filled in NA, as appropriate?
 - Yes N/A Listed enclosures attached?
 - Yes N/A Data sheets attached, completed, dated and signed?
 - Yes N/A Charts, graphs, etc. attached, dated, identified, and marked?
 - Yes N/A Procedure requirements met?

Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

(14) Remarks (attach additional pages, if necessary)

<p style="text-align: center;">Duke Power Company McGuire Nuclear Station</p> <p style="text-align: center;">Release Of Toxic Or Flammable Gases</p> <p style="text-align: center;">Continuous Use</p>	<p>Procedure No. RP/0/A/5700/008</p>
	<p>Revision No. 004</p>
	<p>Electronic Reference No. MC0048MB</p>

Release Of Toxic Or Flammable Gases

1. Symptoms

This condition exists when toxic or flammable gases released near site or onsite present a hazard to station personnel or property.

2. Immediate Action

Initial

- 2.1 Evacuate the affected area.
- 2.2 Notify the Operations Shift Manager / Emergency Coordinator.

3. Subsequent Action

- 3.1 **IF** the release needs attention because of fire or explosion hazard, **THEN** dispatch Fire Brigade as deemed appropriate.
- 3.2 **IF** any of the below conditions exist, **THEN** dispatch the HAZMAT Emergency Response Team by contacting Security via the ringdown phone to the CAS/SAS, or at extension 2688 and issue the following message:
 - For a Drill: "Activate HAZMAT pagers, McGuire Delta"
 - For an Emergency: "Activate HAZMAT pagers, McGuire Echo"

Check any that apply:

- Is the release beyond the scope of Fire Brigade training or **CANNOT** be determined?
- Is the release product an unknown?
- Does the response to control the release require a level of Personal Protective Equipment (PPE) to be worn that is beyond the qualifications of the Fire Brigade or **CANNOT** be determined?
- Does the release create a health exposure hazard for others in the area, or is beyond the qualifications of the Fire Brigade to control or **CANNOT** be determined?
- 3.3 **IF** the decision to activate HAZMAT was made in the previous step, **THEN** verify the Central Alarm Station (CAS, ext. 2842 / 2942) or Secondary Alarm Station (SAS, ext. 2688 / 2624) is aware that the HAZMAT Emergency Response Team has been activated and provide the release location for MERT activation purposes.

- 3.4 **REFER TO** RP/0/A/5700/000 (Classification of Emergency) and declare any appropriate emergency classification.
- 3.5 **IF** an emergency declaration is **NOT** required, **THEN REFER TO** RP/0/A/5700/010 (NRC Immediate Notification Requirements).
- 3.6 Notify the Operations Shift Manager / Emergency Coordinator to take appropriate actions to ensure the safety of all persons and property in the potentially affected areas, including notification of outside services, if deemed necessary. Refer to Enclosure 4.1, (Emergency Plan Implementing Procedure Telephone List).
- 3.7 Contact duty Environmental Management personnel on offsite pager 8-777-6508 for reportability determination.
- 3.8 **IF** evacuation of the Control Room is imminent, **THEN GO TO** AP/1/A/5500/017 and/or AP/2/A/5500/017 (Loss of Control Room).

NOTE: Notifications to agencies other than the NRC may be delegated to Environmental Management, if desired.

- 3.9 **IF** the release is reportable, **THEN** notify proper Federal, State, and Local agencies and Community Relations duty personnel.
 - 3.9.1 **REFER TO** RP/0/A/5700/010 (NRC Immediate Notification Requirements).
- 3.10 **IF** release of gases is threatening Control Room from adjacent area, **THEN** perform as follows:
 - 3.10.1 **IF** source is **NOT** outside, **THEN** start a VC outside air pressure filter train per OP/0/A/6450/011 (Control Area Ventilation), Enclosure 4.4 (Control Room Atmosphere Pressurization During Abnormal Conditions).
 - 3.10.2 **IF** source is outside:
 - A. Evaluate location of VC intakes relative to leak location.

CAUTION: At least one train VC intake must be open prior to starting pressure fan.

- B. Evaluate starting a VC outside air pressure filter train.

4. Enclosures

- 4.1 Emergency Plan Implementing Procedure Telephone List

Enclosure 4.1
Emergency Plan Implementing Procedure
Telephone List

RP/0/A/5700/008
Page 1 of 1

- 1. MEDIC 911**

- 2. Gilead/Cornelius Fire Department 704/336-3333 or 911**

- 3. Environmental Management Duty Pager Offsite Pager 8-777-6508**

Duke Power Company
PROCEDURE PROCESS RECORD

(1) ID No. RP/0/A/5700/010

Revision No. 013

PREPARATION

(2) Station McGuire Nuclear Station

(3) Procedure Title NRC Immediate Notification Requirements

(4) Prepared By [Signature] Date 3/8/01

- (5) Requires 10CFR50.59 evaluation?
 - Yes (New procedure or revision with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By Alan L. Brown (QR) Date 4/25/01
 Cross-Disciplinary Review By _____ (QR) NA AKB Date 4/25/01
 Reactivity Mgmt. Review By _____ (QR) NA AKB Date 4/25/01

(7) Additional Reviews
 Reviewed By _____ Date _____
 Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)
 By _____ (SRO/QR) Date _____
 By _____ (QR) Date _____

(9) Approved By [Signature] Date 05/22/01

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____
 Compared with Control Copy _____ Date _____

(11) Date(s) Performed _____
 Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
- Yes N/A Check lists and/or blanks initialed, signed, dated or filled in NA, as appropriate?
 - Yes N/A Listed enclosures attached?
 - Yes N/A Data sheets attached, completed, dated and signed?
 - Yes N/A Charts, graphs, etc. attached, dated, identified, and marked?
 - Yes N/A Procedure requirements met?
- Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

(14) Remarks (attach additional pages, if necessary)

<p style="text-align: center;">Duke Power Company McGuire Nuclear Station</p> <p style="text-align: center;">NRC Immediate Notification Requirements</p> <p style="text-align: center;">Multiple Use</p>	<p>Procedure No. RP/0/A/5700/010</p>
	<p>Revision No. 013</p>
	<p>Electronic Reference No. MC0048MD</p>

NRC Immediate Notification Requirements

1. Symptoms

- 1.1 Plant conditions requiring immediate, 1 hour, 4 hour, 8 hour or 24 hour NRC notification in accordance with 10CFR20.1906, 10CFR20.2201, 10CFR20.2202, 10CFR26.73, 10CFR50.36, 10CFR50.72, 10CFR70.52, 10CFR72.216(c), 10CFR73.71, 10CFR73 Appendix G, and McGuire Facility Operating License Conditions (NPF-9 Unit 1, NPF-17 Unit 2).
- 1.2 **IF** a notification is being made to the NRC due to an emergency classification (e.g., NOUE, Alert, SAE, General Emergency), **THEN** RP/0/A/5700/010 does not have to be completed

2. Immediate Actions

- 2.1 Automatic

None

- 2.2 Manual

Notify the NRC Operations Center in accordance with this procedure.

3. Subsequent Actions

Initials

- _____ 3.1 Ensure Shift Work Manager is aware of the pending NRC notification.
- _____ 3.2 The Operations Shift Manager shall assure the Notification requirements of this procedure are met for the reportable events provided in Enclosure 4.1.
- _____ 3.3 Determine the appropriate notification requirement and the reporting time requirement using Enclosure 4.1, Events Requiring NRC Notification.

NOTE:

- Security Reports should be reported using Procedure EXAC 15, Reporting of Safeguard Events. The Security Shift Supervisor will provide all information to the Operations Shift Manager for the NRC Notification.

- Sections of Enclosure 4.2 that are not applicable should be marked (N/A).

- _____ 3.4 Complete the applicable portions of Enclosure 4.2 as identified by Enclosure 4.1 and transmit to the NRC Operations Center using RP/0/A/5700/014, Tab 2.

NOTE: Use the RED NRC OPS Center button on the Operations Shift Support Technician's Fax machine for hard copy transmittal. Use of this button also copies the Site NRC Resident's office.

- 3.5 Provide Follow up Notification to the NRC Operations Center in 3.4 above in accordance with Enclosure 4.1, Paragraph 4.1.6.
- 3.6 Maintain an "OPEN", continuous, communication channel with the NRC Operations Center upon request by the NRC.
- 3.7 Notify the Station Manager using RP/0/A/5700/014, Tab 3.
- 3.8 Notify the General Office Nuclear Generation Operations Duty Engineer using RP/0/A/5700/014, Tab 3.
- 3.9 Notify one of the NRC Resident Inspectors using RP/0/A/5700/014, Tab 2.
- 3.10 Upon completion of this procedure the Operations Shift Manager will fill out the completion portion of the Process Record Form and forward the approved/completed procedure to Document Control for retention. A copy of the completed procedure shall be routed to the Manager, Regulatory Compliance.

4. Enclosures

- 4.1 Events Requiring NRC Notification
- 4.2 NRC Event Notification Worksheet
- 4.3 System Actuations.

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 1 of 13

4.1.1 Events Requiring IMMEDIATE NOTIFICATIONS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.1.1 [50.72a(1)(i)]	The declaration of any of the Emergency Classes specified in the McGuire Emergency Plan	4.1.1.1	Immediately after notification to state(s) and local government (counties) and <u>not later than one hour</u> after the time the Emergency Class was declared. Immediately report any change from one Emergency Class to another or a termination of the Emergency Class (Use Enclosure 4.2)
	and		
[50.72c(1)(ii)]	any change from one Emergency Class to another		
	or		
[50.72c(1)(iii)]	a termination of the Emergency Class		
4.1.1.2 [20.1906]	Events involving receiving and opening packages containing quantities of radioactive material in excess of a Type A quantity as defined in section 71.4 and Appendix A to part 71 of this chapter when;	4.1.1.2	NOTE: Reporting under 10CFR20.1906 should be made as follows: the licensee shall immediately notify the final delivery carrier and by telephone and telegram, mailgram, or facsimile and the NRC Operations Center at 1-301-816-5100.
[20.1906]	Removable radioactive surface contamination exceeds the limits of section 71.87(I) of this chapter;		
	or		
[20.1906]	External radiation levels exceed the limits of section 71.47 of this chapter.		
4.1.1.3 [20.2201a(i)]	Any lost, stolen, or missing licensed material in an aggregate quantity equal to or greater than 1,000 times the quantity specified in appendix C to section 20.1001-20.2401 under such circumstance that it appears to the licensee that an exposure could result to persons in unrestricted areas.	4.1.1.3	Immediately after its occurrence becomes known to the licensee.
	or		
[20.2201a(ii)]	Within 30 days after the occurrence of any lost, stolen, or missing licensed material becomes known to the licensee, all licensed material in a quantity greater than 10 times the quantity specified in appendix C of section 20.1001-20.2401 that is still missing at this time.		

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 2 of 13

4.1.1 Events Requiring IMMEDIATE NOTIFICATIONS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.1.3	Any event involving by-product, source, or special nuclear material possessed by the licensee that may have caused or threatens to cause any of the following conditions: An individual to receive:	4.1.1.3	Immediately after its occurrence becomes known to the licensee
[20.2202a1(i)]	A total effective dose equivalent of 25 rems (0.25 Sv) or more;		
or			
[20.2202a1(ii)]	An eye dose equivalent of 75 rems (0.75 Sv) or more.		
or			
[20.2202a1(iii)]	A shallow dose equivalent to the skin or extremities of 250 rads (2.5 Gy) or more.		
or			
[20.2202a2]	The release of radioactive material, inside or outside of a restricted area, so that, had an individual been present for 24 hours, the individual could have received an intake five times the annual limit on intake (the provisions of this paragraph do not apply to locations where personnel are not normally stationed during routine operations, such as hot-cells or process enclosures).		

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 3 of 13

4.1.2 Events Requiring ONE-HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.2.1 [50.72b1(i)(B)]	Any deviation from a plant License Condition or Technical Specification authorized in 10CFR50.54(x). (Licensee may take reasonable action that departs from a license condition or technical specification in an emergency when this action is immediately needed to protect the health and safety of the public).	4.1.2.1	As soon as practical and within <u>1 hour</u> of the occurrence (Use Enclosure 4.2)
4.1.2.2 {70.52} or 72.74(a) {70.52}	Events involving accidental criticality or loss or theft or attempted theft of special nuclear material.	4.1.2.2	As soon as practical and within <u>1 hour</u> after discovery (Use Enclosure 4.2).
{70.52}	Any case of accidental criticality or any loss, other than normal operating loss, of special nuclear material.		
	or		
{70.52}	Any loss or theft or unlawful diversion of special nuclear material or any incident in which an attempt has been made or is believed to have been made to commit a theft or unlawful diversion of such material.		
4.1.2.3 {73.71}	Safeguards events	4.1.2.3	As soon as practical and within <u>1 hour</u> after discovery (Use Enclosure 4.2).
{73.71}	The loss of any shipment of SNM or spent fuel, and within one hour after recovery of or accounting for such lost shipment.		
{73.71}	Any event in which there is reason to believe that a person has committed or caused, or attempted to commit or cause, or has made a credible threat to commit or cause:		
{73 Appendix G}			
{73.71}	A theft or unlawful diversion of special nuclear material;		
{73 Appendix G}			
	or		

Enclosure 4.1

Events Requiring NRC Notification

4.1.2 Events Requiring ONE-HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
[73.71] [73 Appendix G]	Significant physical damage to a power reactor or any facility possessing SSNM or its equipment or carrier equipment transporting nuclear fuel or spent nuclear fuel a facility or carrier possesses;		
	or		
[73.71] [73 Appendix G]	Interruption of normal operation of a licensed nuclear power reactor through the unauthorized use of or tampering with its machinery, components, or controls including the security system.		
[73.71] [73 Appendix G]	An actual entry of an unauthorized person into a protected area, material access area, controlled access area, vital area or transport.		
[73.71] [73 Appendix G]	Any failure, degradation, or the discovered vulnerability in a safeguard system that could allow unauthorized or undetected access to a protected area, material access area controlled access area, vital area, or transport for which compensatory measures have not been employed.		
[73.71] [73 Appendix G]	The actual or attempted introduction of contraband into a protected area, material access area, vital area, or transport.		
4.1.2.4 [50.36]	Violation of a safety limit.	4.1.2.4	As soon as practical and within <u>1 hour</u> of occurrence. (Use Enclosure 4.2)
4.1.2.5 [McGuire Facility Operating License Conditions] NPF-9 NPF-17	Any accident at this facility which could result in an unplanned release of quantities of fission products in excess of allowable limits for normal operation established by the Commission.	4.1.2.5	As soon as practical and within <u>1 hour</u> of occurrence. (Use Enclosure 4.2)

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 5 of 13

4.1.3 Events Requiring FOUR HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.3.1 [50.72b2(i)]	The <u>initiation</u> of any nuclear plant shutdown required by Technical Specifications.	4.1.3.1	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.2 [50.72b2(iv)(A)]	Any event that results or should have resulted in emergency core cooling system (ECCS) discharge into the reactor coolant system as a result of a valid signal except when the actuation results from and is part of a pre-planned sequence during testing or reactor operation.	4.1.3.2	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.3 [50.72b2(iv)(B)]	Any event or condition that results in actuation of the reactor protection system (RPS) when the reactor is critical except when the actuation results from and is part of a pre-planned sequence during testing or reactor operation.	4.1.3.3	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.4 [50.72b2(xi)]	Any event or situation related to the health and safety of the public or onsite personnel, or protection of the environment, for which a news release is planned or notification to other government agencies has been or will be made. Such an event may include an onsite fatality or inadvertent release of radioactively contaminated materials.	4.1.3.4	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.5 [72.75b1]	A spent fuel storage related event that prevents immediate actions necessary to avoid exposures to radiation or radioactive materials that could exceed regulatory limits, or releases of radioactive materials that could exceed regulatory limits (e.g., events such as fires, explosions, and toxic gas releases).	4.1.3.5	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.6 [72.75b2]	A defect in any spent fuel storage structure, system, or component which is important to safety.	4.1.3.6	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.7 [72.75b3]	A significant reduction in the effectiveness of any spent fuel storage confinement system during use.	4.1.3.7	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)

Enclosure 4.1

Events Requiring NRC Notification

RP/0/A/5700/010

Page 6 of 13

4.1.3 Events Requiring FOUR HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.3.8 [72.75.b4]	An action taken in a spent fuel storage related that departs from a condition or a technical specification contained in a license or certificate of compliance issued under this part when the action issued under this part when the action is immediately needed to protect the public health and safety and no action consistent with license or certificate of compliance conditions or technical specification that can provide adequate or equivalent protection is immediately apparent.	4.1.3.8	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.9 [72.75b5]	A spent fuel storage related event that requires unplanned medical treatment at an offsite medical facility of an individual with radioactive contamination on the individual's clothing or body which could cause further radioactive contamination.	4.1.3.9	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)
4.1.3.10 [72.75b6]	An unplanned fire or explosion damaging any spent fuel or any device, container, or equipment containing spent fuel when the damage affects the integrity of the material or its container.	4.1.3.10	As soon as practical and within <u>4 hours</u> of the occurrence. (Use Enclosure 4.2)

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 7 of 13

4.1.4 Events Requiring EIGHT HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.4.1 [50.72B3(ii)]	Any event or condition that results in:	4.1.4.1	As soon as practical and within <u>8 hours</u> of the occurrence. (Use Enclosure 4.2.)
[50.72b3(ii)(A)]	The condition of the nuclear power plant including its principal safety barriers, being seriously degraded; or		
[50.72b3(ii)(B)]	The nuclear power plant being in an unanalyzed condition that significantly degrades plant safety.		
4.1.4.2 [50.72b3(xiii)]	Any event that results in a major loss of emergency assessment capability, offsite response capability, or offsite communications capability (e.g., significant portion of control room indication, Emergency Notification System, or offsite notification system).	4.1.4.2	As soon as practical and with <u>8 hours</u> of occurrence. (Use Enclosure 4.2.)
	** NOTE: Failure of >16 sirens requires ENS notification. For repair after normal hours Telecommunications 382-7762.		
	* A report by the NRC operations Center that ENS communications is not available from Rockville, Md. To the Control Room does not require a "return" 8 hour call. Document conversation in the SRO log, no further action is necessary. If the Control Room ENS is NOT operable, a 8 hour notification shall be made to the NRC operations Center using Enclosure 4.2 via commercial telephone service or other dedicated telephone system or any other method which will ensure that a report is made.		
4.1.4.3 [50.72b3(iv)(A)]	Any event or condition that results in valid actuation of any of the systems listed in paragraph (b)(3)(iv)(B) of the section except when the actuation results from and is part of a preplanned sequence during testing or reactor operation.	4.1.4.3	As soon as practical and with <u>8 hours</u> of the occurrence (Use Enclosure 4.2).

Enclosure 4.1
Events Requiring NRC Notification

4.1.4 Events Requiring EIGHT HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
[50.72b3(iv)(B)]	<p>The systems to which the requirements of paragraph (b)(3)(iv)(A) of this section apply are:</p> <p>(1) Reactor protection system (RPS) including: reactor scram and reactor trip. Note 1</p> <p>(2) General containment isolation signals affecting containment isolation valves in more than one system or multiple main steam isolation valves (MSIVs).</p> <p>(3) Emergency core cooling systems (ECCS) for pressurized water reactors (PWRs) including: high-head, intermediate-head, and low-head injection systems and the low pressure injection function of residual (decay) heat removal systems.</p> <p>(4) PWR auxiliary or emergency feedwater system.</p> <p>(5) Containment heat removal and depressurization systems, including containment spray and fan cooler systems.</p> <p>(6) Emergency ac electrical power systems including: emergency diesel generators (EDGs).</p> <p>Note 1 Actuation of the RPS when the reactor is critical is reportable under paragraph (b)(2)(iv)(B) of this section.</p>		
4.1.4.4 [50.72b3(v)]	Any event or condition that at the time of discovery could have prevented the fulfillment of the safety function of structures or systems that are needed to:	4.1.4.4	As soon as practical and within <u>8 hours</u> of the occurrence. (Use Enclosure 4.2.)
[50.72b3(v)(A)]	Shut down the reactor and maintain it in a safe shutdown condition;		
[50.72b3(v)(B)]	Remove residual heat;		
[50.72b3(v)(C)]	Control the release of radioactive material, or		
[50.72b3(v)(D)]	Mitigate the consequences of an accident.		

Enclosure 4.1

Events Requiring NRC Notification

RP/0/A/5700/010

Page 9 of 13

4.1.4 Events Requiring EIGHT HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
[50.72b3(vi)]	Events covered in paragraph (b)(3)(v) of this section may include one or more procedural errors, equipment failures, and/or discovery of design, analysis, fabrication, construction, and/or procedural inadequacies. However, individual component failures need not be reported pursuant to paragraph (b)(3)(v) of this section if redundant equipment in the same system was operable and available to perform the required safety function.		
4.1.4.5 [50.72b3(xii)]	Any event requiring the transport of a radioactively contaminated person to an offsite medical facility for treatment. (Notify NRC per RP/0/A/5700/010, contact Carolinas Medical Center per RP/0/A/5700/005).	4.1.4.5	As soon as practical and within <u>8 hours</u> of occurrence. (Use Enclosure 4.2.)

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 10 of 13

4.1.5 Events Requiring TWENTY-FOUR HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.5.1 [20.2202b]	Any event involving loss of control of licensed material possessed by the licensee that may have caused, or threatens to cause any of the following conditions:	4.1.5.1	Within <u>24 hours</u> of discovery of the event. (Use Enclosure 4.2.)
[20.2202b1]	An individual to receive in a period of 24 hours.		
[20.2202b1(i)]	A total effective dose equivalent exceeding 5 rems (0.05Sv);		
	or		
[20.2202b1(ii)]	An eye dose equivalent exceeding 15 rems (0.15Sv);		
	or		
[20.2202b1(iii)]	A shallow dose equivalent to the skin or extremities exceeding 50 rems (0.5 Sv);		
	or		
[20.2202b2]	The release of radioactive material inside or outside of a restricted area, so that, had an individual been present for 24 hours, the individual could have received an intake in excess of one occupational annual limit on intake (the provisions of this paragraph do not apply to locations where personnel are not normally stationed during routine operation, such as hot cells or process enclosures).		
4.1.5.2 [26.73]	Significant events involving fitness for duty including;	4.1.5.2	Within <u>24 hours</u> of discovery of the event. (Use Enclosure 4.2.)
[26.73]	Sale, use, or possession of illegal drugs within the protected area		
	and		
	Any acts by any person licensed under 10CFR part 55 to operate a power reactor or by any supervisory personnel assigned to perform duties within the scope of this part involving the sale, use of possession of a controlled substance,		

Enclosure 4.1
Events Requiring NRC Notification

4.1.5 Events Requiring TWENTY-FOUR HOUR REPORTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []	REPORTING TIME REQUIREMENTS		
	Resulting in confirmed positive tests on such persons,		
	Involving use of alcohol within the protected area,		
	or		
	Resulting in a determination of unfitness for scheduled work due to the consumption of alcohol.		
4.1.5.3 McGuire Facility Operating License Conditions	Unit operation exceeding 3411 mw thermal *(see note) {PIP-0-M-99-0874}	4.1.5.3	The licensee shall report any violations of these requirements within <u>24 hours</u> by telephone and confirm by telegram, mailgram, or facsimile transmission to the NRC Regional Administrator, Reg. II, or his designate, no later than the first working day following the violation, with a written follow-up report within 14 days.
	Failure to fully implement and maintain in effect all provisions of the approved fire protection program.		
	Failure to fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments.		
4.1.5.4 [72.75c1]	Any spent fuel storage related unplanned contamination event that requires access to the contaminated area by workers or the public to be restricted for more than 24 hours by imposing additional radiological controls or by prohibiting entry into the area.	4.1.5.4	Each licensee shall notify the NRC within 24 hours after the discovery of any events involving spent fuel. (Use Enclosure 4.2)
4.1.5.5 [72.75c2]	(2) A spent fuel storage related event in which safety equipment is disabled or fails to function as designed when: (i) The equipment is required by regulation, license condition, or certificate of compliance to be available and operable to prevent releases that could exceed regulatory limits, to prevent exposures to radiation or radioactive materials that could exceed regulatory limits, or to mitigate the consequences of an accident; and (ii) No redundant equipment was available and operable to perform the required safety function.	4.1.5.5	Each licensee shall notify the NRC within 24 hours after the discovery of any events involving spent fuel. (Use Enclosure 4.2)

Enclosure 4.1

Events Requiring NRC Notification

RP/O/A/5700/010

Page 12 of 13

NOTE:

1. Technical Specification defines Rated Thermal Power as the total core heat transfer rate of 3411 MWT. It is desirable to operate as near this point as practical in order to maximize utilization of available capacity. This provides specific guidelines for "maximizing capacity available" while still operating within technical specification and license limits.
2. The following does not imply that unit power may be intentionally increased above 100% Full Power (F.P.). This does permit slight variations above 100% F. P. as a result of instrument variations, control instabilities, etc.
3. The average power level as indicated by computer heat balance calculations over any twelve-hour shift should not exceed the "full steady state power level" of 3411 MWT. It is permissible to briefly exceed the "full steady state licensed power level" by as much as 2% for as long as 15 minutes. In no case should 102% full power be exceeded.
4. Lesser variations for longer periods are permitted within the above guidelines. For example:

Power level (Maximum)	Time interval Permitted
102.0%	15 Minutes
101.0%	30 Minutes
100.5%	60 Minutes

There are no limits on the times these variations may occur, or the time intervals that may separate such variations other than the limit regarding the twelve hour average power.

Enclosure 4.1
Events Requiring NRC Notification

RP/0/A/5700/010
Page 13 of 13

4.1.6 "FOLLOWUP NOTIFICATION" REQUIREMENTS: REPORTABLE EVENTS Corresponding 10CFR Section in Brackets []		REPORTING TIME REQUIREMENTS	
4.1.6.1 [50.72c]	During the course of the event, report:	4.1.6.1	Immediately (Use Enclosure 4.2)
[50.72c1(i)]	Any further degradation in the level of safety of the plant or other worsening plant conditions, including those that require the declaration of any of the Emergency Classes, if such a declaration has not been previously made,		
	or		
[50.72c1(ii)]	Any change from on Emergency Class to another		
	or		
[50.72c1(iii)]	Termination of an Emergency Class		
[50.72c2(i)]	The results of ensuing evaluations or assessments of plant conditions,		
[50.72c2(ii)]	The effectiveness of response or protective measures taken		
	and		
[50.72c2(iii)]	Information related to plant behavior that is not understood.		

Enclosure 4.2
NRC Event Notification Worksheet

RP/0/A/5700/010
Page 1 of 2

STATE: "THIS IS THE MCGUIRE NUCLEAR SITE IN NRC REGION 2 MAKING AN EVENT NOTIFICATION REPORT"				
NOTIFICATION TIME/DATE	UNIT	CALLER'S NAME	CALLBACK TELEPHONE #: ENS 1-888-270-0173 or (704) - 875-6044	NRC OPERATIONS OFFICER CONTACTED
EVENT TIME & ZONE _____ Region II (time) (zone)	EVENT DATE	POWER/MODE BEFORE	POWER/MODE AFTER	

EVENT CLASSIFICATIONS	1-Hr Non-Emergency 10 CFR 50.72(b)(1)	8-Hr Non-Emergency 10CFR 50.72(b)3
GENERAL EMERGENCY	(50.72 b1 (I)(B)) TS Deviation	(50.72 b3 (II)(A)) Degraded Condition
SITE AREA EMERGENCY		(50.72 b3 (II)(B)) Unanalyzed Condition
ALERT		(50.72 b3 (IV)(A)) Valid Actuation of System listed in Encl. 4.3.
UNUSUAL EVENT		(50.72 b3 (V)(A)) Safe S/D Capability
50.72 NON-EMERGENCY	1 Hr Non-Emergency	(50.72 b3 (II)(B)) RHR Capability
PHYSICAL SECURITY (73.71)	(70.52) (a) and (b) Accidental Criticality OR (72.74) (a) Loss or theft of SNM	(50.72 b3 (V)(C)) Control of Rad Release
TRANSPORTATION (10 CFR 20)	(50.36) Violation of a safety limit	(50.72 b3 (V)(D)) Accident Mitigation
MATERIAL/EXPOSURE (10 CFR 20)	MNS Facility Operating License Conditions	(50.72 b3 (X)(III)) Lost ENS
OTHER		(50.72 b3 (X)(III)) Lost Other Assess./Comms
		(50.72 b3 (X)(III)) Emergency Siren INOP
		(50.72 b3 (XII)) Offsite Medical

4-Hr Non-Emergency 10 CFR 50.72(b)(2)
(50.72 b2 (I)) TS Required S/D
(50.72 b2 (IV)(A)) ECCS Discharge to RCS
(50.72 b2 (IV)(B)) RPS Actuation - critical scram
(50.72 b2 (XI)) Offsite Notification
(72.75)(b1) Rad exposure & release action impairment.
(72.75)(b2) Spent Fuel Storage SSC defect.
(72.75)(b3) Spent Fuel Storage degradation.
(72.75)(b4) Fuel Storage License deviation.
(72.75)(b5) Fuel Storage related offsite medical.
(72.75)(b6) Fire/Explosion damage to Spent Fuel Storage.

24-Hr. Non-Emergency
McGuire Facility Operating License Conditions
Material/Exposure (10CFR20)
26.73 Significant events involving fitness for duty.
(72.75)(c1) Contamination event restrictions.
(72.75)(c2) Fuel Storage equipment failure.

EVENT DESCRIPTION	
Include: Systems affected, actuation's & their initiating signals, causes, effect of event on plant, actions taken or planned, etc.	
Continue on Enclosure 4.2 page 2 of 2 if necessary.	

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD? <input type="checkbox"/> YES <input type="checkbox"/> NO
NRC RESIDENT				(Explain above)
STATE(s)				DID ALL SYSTEMS FUNCTION AS REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO
LOCAL				(Explain above)
OTHER GOV AGENCIES				MODE OF OPERATION UNTIL CORRECTED
MEDIA/PRESS RELEASE				EST. RESTART DATE: <input type="checkbox"/> YES <input type="checkbox"/> NO

APPROVED BY: _____ TIME/DATE: _____ / _____ / _____
Operations Shift Manager/Emergency Coordinator (eastern) mm dd yy

Enclosure 4.2
NRC Event Notification Worksheet

RP/0/A/5700/010
Page 2 of 2

RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)					
LIQUID RELEASE	GASEOUS RELEASE	UNPLANNED RELEASE	PLANNED RELEASE	ONGOING	TERMINATED
MONITORED	UNMONITORED	OFFSITE RELEASE	T.S. EXCEEDED	RM ALARMS	AREAS EVACUATED
PERSONNEL EXPOSED OR CONTAMINATED		OFFSITE PROTECTIVE ACTIONS RECOMMENDED		State release path in description	

NOTE: Contact Radiation Protection Shift to obtain the following information.

IF the notification is due and the information is not available,
THEN mark "Not Available" and complete the notification.

	Release Rate (Ci/sec)	% T.S. LIMIT	HOO GUIDE	Total Activity (Ci)	% T.S. LIMIT	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 uCi/sec			0.01 Ci
Particulate			1 uCi/sec			1 mCi
Liquid (excluding tritium & dissolved noble gases)			10 uCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

RECORD MONITORS IN ALARM	PLANT STACK (EMF 35, 36, 37)	CONDENSER/AIR EJECTOR (EMF 33)	MAIN STEAM LINE (UNIT 1-EMF 24,25,26,27 UNIT 2-EMF 10, 11, 12,13)	SG BLOWDOWN (EMF 34)	OTHER
RAD MONITOR READINGS:					
ALARM SETPOINTS: TRIP II					
% T.S. LIMIT (if applicable)		NOT APPLICABLE		NOT APPLICABLE	

RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)

LOCATION OF THE LEAK (e.g. SG#, valve, pipe, etc.):

LEAK RATE: gpm/gpd	T.S. LIMITS EXCEEDED:	SUDDEN OR LONG TERM DEVELOPMENT:
LEAK START DATE: _____ TIME: _____	COOLANT ACTIVITY: PRIMARY SECONDARY (Last Sample) Xe eq. _____ mCi/ml Xe eq. _____ mCi/ml Iodine eq. _____ mCi/ml Iodine eq. _____ mCi/ml	

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL:

EVENT DESCRIPTION (Continued from Enclosure 4.2 page 1 of 2)

§50.72(b)(2)(iv) - 4 hr report	§50.73(a)(2)(iv) - LER
<p>The Licensee shall report:</p> <p>(A) Any event that results or should have resulted in emergency core cooling system (ECCS) discharge into the reactor coolant system as a result of a valid signal except when the actuation results from and is part of a pre-planned sequence during testing or reactor operation.</p> <p>(B) Any event or condition that results in actuation of the reactor protection system (RPS) when the reactor is critical except when the actuation results from and is part of a preplanned sequence during testing or reactor operation.</p> <p style="text-align: center;">§50.72(b)(3)(iv) - 8 hr report</p> <p>(A) Any event or condition that results in valid actuation of any of the systems listed in paragraph (b)(3)(iv)(B) of this section except when the actuation results from and is part of a preplanned sequence during testing or reactor operation.</p> <p>(B) The systems to which the requirements of paragraph (b)(3)(iv)(A) of this section apply are:</p> <ol style="list-style-type: none"> (1) Reactor protection system (RPS) including: reactor scram and reactor trip. (See Note 1) (2) General containment isolation signals affecting containment isolation valves in more than one system or multiple main steam isolation valves (MSIVs). (3) Emergency Core cooling systems (ECCS) for pressurized water reactors (PWRs) including: High-head, intermediate-head, and low-head injection systems and the low pressure injection function of residual (decay) heat removal systems. (4) PWR auxiliary or emergency feedwater system. (5) Containment heat removal and depressurization systems, including containment spray and fan cooler systems. (6) Emergency ac electrical power systems, including: emergency diesel generators (EDGs). <p>Note 1 Actuation of the RPS when the reactor is critical is reportable under paragraph (b)(2)(iv) of this section.</p>	<p>The Licensees shall report:</p> <p>(A) Any event or condition that resulted in manual or automatic actuation of any of the systems listed in paragraph (a)(2)(iv)(B) of this section, except when:</p> <ol style="list-style-type: none"> (1) The actuation resulted from and was part of a preplanned sequence during testing or reactor operation' or (2) The actuation was invalid and; <ol style="list-style-type: none"> (i) Occurred while the system was properly removed from service; or (ii) Occurred after the safety function had been already completed. <p>(B) The systems to which the requirements of paragraph (a)(2)(IV)(A) of this section apply are:</p> <ol style="list-style-type: none"> (1) Reactor protection system (RPS) including: reactor scram and reactor trip. (2) General containment isolation signals affecting containment isolation valves in more than one system or multiple main steam isolation valves (MSIVs). (3) Emergency Core cooling systems (ECCS) for pressurized water reactors (PWRs) including: High-head, intermediate-head, and low-head injection systems and the low pressure injection function of residual (decay) heat removal systems. (4) PWR auxiliary or emergency feedwater system. (5) Containment heat removal and depressurization systems, including containment spray and fan cooler systems. (6) Emergency ac electrical power systems, including: emergency diesel generators (EDGs). (7) Emergency service water systems that do not normally run and that serve as ultimate heat sinks.

Enclosure 4.3
System Actuations

RP/0/A/5700/010
Page 2 of 5

1. Definitions

- a. Valid actuations are those actuations that result from "valid signals" or from intentional manual initiation, unless it is part of a preplanned test. Valid signals are those signals that are initiated in response to actual plant conditions on parameters satisfying the requirements for initiation of the safety function of the system. They do not include those that are the result of other signals.
- b. Invalid actuations are by definition, those that do not meet the criteria for being valid. Thus, invalid actuations include actuations that are not the result of valid signals and are not intentional manual actuations
 - Some invalid actuations are still reportable (see examples).
- c. RPS Actuation: (1) Receipt of a solid State Protection System (SSPS) signal(s) necessary to activate the RPS system, or (2) manual or automatic actions that activate the RPS system without the presence of an SSPS signal(s).
- d. Actuation of multichannel systems is defined as actuation of enough channels to complete the minimum actuation logic. Therefore, single channel actuations, whether caused by failures or otherwise, are not reportable if they do not complete the minimum actuation logic. Note, however, that if only a single logic channel actuates when, in fact, the system should have actuated in response to plant parameters, this would be reportable under these paragraphs as well as under 10CFR50.72(b)(3)(v) and 10CFR50.73(a)(2)(v) (event or condition that could have prevented the fulfillment of the safety function of...).
- e. Preplanned Actuation: A preplanned system actuation is the initiation of a particular system as called for by an approved operating or testing procedure.
- f. Properly Removed From Service: The component or system is intentionally mechanically or electrically disabled such that it is not capable of performing its intended safety function, and station procedures for removing equipment from service have been implemented (e.g., required clearance documentation, equipment and control board tagging, etc.).

2. Reportability

These paragraphs require events to be reported whenever one of the specified systems actuates either manually or automatically.

These systems are provided to mitigate the consequences of a significant event and, therefore:

- a. they should work properly when called upon, and
- b. they should not be challenged frequently or unnecessarily.

Enclosure 4.3
System Actuations

RP/0/A/5700/010
Page 3 of 5

The NRC is interested both in events where a system was needed to mitigate the consequences (whether or not the equipment performed properly) and events where a system operated unnecessarily. Generally, the NRC would not consider this to include single component actuations because single components of complex systems, by themselves, usually do not mitigate the consequences of significant events. However, in some cases a component would be sufficient to mitigate the event (i.e., perform the safety function) and its actuation would then be reportable.

Since single trains do mitigate the consequences of significant events, train level actuations are reportable. In this regard, actuation of a diesel-generator is considered to be an actuation of a train and not an actuation of a single component because a diesel generator is needed to mitigate the event (performs the safety function).

The ECCS contains systems that have no other operating function as well as systems that are shared with other systems. Actuations of ECCS systems which are shared with other systems is reportable only when they are performing their safety function.

3. Reporting Exceptions

Except for critical scrams, invalid actuations are not reportable by telephone under §50.72. In addition, invalid actuations are not reportable under §50.73 in any of the following circumstances:

- (A) The invalid actuation occurred when the system is already properly removed from service. This means all requirements of plant procedures for removing equipment from service have been met. It includes required clearance documentation, equipment and control board tagging, and properly positioned valves and power supply breakers.
- (B) The invalid actuation occurred after the safety function has already been completed. An example would be RPS actuation after the control rods have already been inserted into the core.

However, if one of the specified systems actuate during the planned operation or test in a way that is not part of the planned procedure, such as at the wrong step, that event is reportable.

EXAMPLES

Reportable

Note: {For the reportable examples provided, assume the actuation is not part of a pre-planned sequence in a procedure and the system has not been removed from service.} This note applies to examples A-I.

- (A) Any manual or automatic actuation of the reactor trip switchgear.
- (B) Initiation of a containment isolation signal constitutes an actuation whether or not the containment isolation valve actually repositions.

Enclosure 4.3
System Actuations

RP/0/A/5700/010
Page 4 of 5

- (C) The opening of a Hydrogen skimmer fan header isolation valve and the subsequent starting of a Hydrogen Skimmer fan is an actuation.
- (D) The starting of any of the ECCS pumps to mitigate the consequences of a significant event is an activation.
- (E) Any manual or automatic actuation of the Auxiliary/Emergency Feedwater(CA) system.
- (F) Unplanned Diesel Generator starts.
- (G) Emergency power switching logic actuations of 4160V breakers.
- (H) During a significant operational transient, an "ice condenser door open" alarm was received in the Control Room. This is a reportable event because if the Ice Condenser doors are off their seals, the equipment is considered actuated.
- (I) Swaps of Nuclear Service Water pump's suction from the lake to the Standby Nuclear Service Water pond are reportable as an LER. However, they are NOT reportable to the NRC Operations Center under 10CFR50.72(b)(3)(iv).

Non-Reportable

- (A) Equipment actuation because of a signal generated by EMF's (radiation monitors).
- (B) RPS actuates after all control rods and banks have already been inserted in the core.
- (C) During surveillance testing of the main steam isolation valves (MSIVs), an operator incorrectly closed MSIV "D" when the procedure specified closing MSIV "C". This event is not reportable because the event is an inadvertent actuation of a component of a system.
- (D) Movement of a single valve swapped the suction of the Nuclear Service Water System to the Auxiliary Feedwater pump suction. Since only a single component was actuated and the valve could not mitigate the consequences of an event by itself, the valve movement is not reportable as an actuation.

LISTED SYSTEMS ACTUATION

1. Containment Isolation Systems
 - a. Phase A
 - b. Phase B
2. Containment Heat Removal
 - a. Ice Condenser
 - b. Air Return Fans
 - c. Containment Spray
3. Combustible Gas Control in Containment
 - a. Hydrogen Recombiners
 - b. Air Return and Skimmer Fans
 - c. Hydrogen Purge
 - d. Hydrogen Igniters
4. Emergency Core Cooling System
 - a. NV
 - b. NI
 - c. ND
 - d. CLA
 - e. FWST
 - 1) Containment Sump Swapover
5. Auxiliary Feedwater System
6. Diesel Generator Starts
7. Reactor Protection System
8. Nuclear Service Water System Suction
9. Steam Line Isolation
10. 4KV Undervoltage

Duke Power Company
PROCEDURE PROCESS RECORD

PREPARATION

(2) Station McGuire Nuclear Station

(3) Procedure Title Community Relations Emergency Response Plan

(4) Prepared By [Signature] Date 4/25/01

- (5) Requires 10CFR50.59 evaluation?
 - Yes (New procedure or revision with major changes)
 - No (Revision with minor changes)
 - No (To incorporate previously approved changes)

(6) Reviewed By Alex L. Brewer (QR) Date 4/30/01

Cross-Disciplinary Review By _____ (QR) NA ReB Date 4/30/01

Reactivity Mgmt. Review By _____ (QR) NA ReB Date 4/30/01

(7) Additional Reviews

Reviewed By [Signature] Date 5/15/01

Reviewed By _____ Date _____

(8) Temporary Approval (if necessary)

By _____ (SRO/QR) Date _____

By _____ (QR) Date _____

(9) Approved By [Signature] Date 05/22/01

PERFORMANCE (Compare with Control Copy every 14 calendar days while work is being performed.)

(10) Compared with Control Copy _____ Date _____

Compared with Control Copy _____ Date _____

Compared with Control Copy _____ Date _____

(11) Date(s) Performed _____

Work Order Number (WO#) _____

COMPLETION

- (12) Procedure Completion Verification
- Yes N/A Check lists and/or blanks initialed, signed, dated or filled in NA, as appropriate?
 - Yes N/A Listed enclosures attached?
 - Yes N/A Data sheets attached, completed, dated and signed?
 - Yes N/A Charts, graphs, etc. attached, dated, identified, and marked?
 - Yes N/A Procedure requirements met?
- Verified By _____ Date _____

(13) Procedure Completion Approved _____ Date _____

(14) Remarks (attach additional pages, if necessary)

Community Relations Emergency Response Plan

1. SYMPTOMS

Conditions exist such that the Public Affairs Organization has been activated. The EnergyExplorium can be staffed at the discretion of the Community Relations Manager. In all cases, the Community Relations emergency response plan will be activated at an Alert or higher emergency classification.

2. IMMEDIATE ACTIONS

2.1 Community Relations emergency response plan activation during normal working hours:

2.1.1 Community Relations Manager/designee will serve as the Onsite News Manager.

2.1.2 The nuclear site Vice President/alternate will serve as the Onsite Public Spokesperson.

2.1.3 Community Relations Manager/designee will determine staffing for the EnergyExplorium during emergency conditions.

2.2 Community Relations emergency response plan activation after hours, holidays and weekends:

2.2.1 The Community Relations duty person is responsible for the following:

- Emergency planning pager
- Fitness for duty during rotation
- Contacting Community Relations Manager/designee
- Reporting to EnergyExplorium

2.2.2 The Community Relations Manager/designee will determine staffing of the EnergyExplorium and activate the call trees as necessary.

3. SUBSEQUENT ACTIONS

Respond as required by enclosures designated for the individual position.

4. ENCLOSURES

- 4.1 Onsite News Manager
- 4.2 Onsite Public Spokesperson
- 4.3 McGuire Community Relations Duty Person
- 4.4 McGuire Community Relations Staff
- 4.5 Reference for Accessing Forms
- 4.6 Reference for Accessing Data Information Forms
- 4.7 Reference for Accessing News Releases

**ONSITE NEWS MANAGER
ACTIVATION CHECKLIST**

Initial

- ___ **SIGN** staffing sheet.
- ___ **PUT** on position badge.
- ___ **REVIEW** contents of the Emergency Notification Form (ENF).
- ___ **DETERMINE** if Media Relations duty person has been provided the Emergency Notification Form.
- ___ **DETERMINE** if contact with the EOF Technical Liaison has been made.
- ___ **DETERMINE** staffing requirements and call-ins.

<p>NOTE: Telephone numbers for the EOF and JIC are included in the Joint Information Center telephone directory located in the emergency file drawer.</p>
--

- ___ **CALL** the Public Information Manager at the JIC to request another spokesperson if the Site Vice President is known to be unavailable, or hasn't reported within 75 minutes.
- ___ **REQUEST** additional resources, if needed, from the Public Information Manager.
- ___ **SERVE** as Company Spokesperson for media exchanges until relieved by the Onsite Public Spokesperson/alternate.

<p>NOTE: Enclosures 4.5 and 4.6 provide instructions for accessing forms and data information forms.</p>

- ___ **ASSIST** Onsite Public Spokesperson in preparing for media interviews by providing the following:
- Copies of all approved talking points and rumor information
 - Copies of all news releases
 - Copies of Emergency Notification Forms (ENFs)
 - Completed media prep form
- ___ **SERVE** as moderator for stand-up interview if media are present.
- ___ **ACCESS** EOF Bridge to resolve rumors identified during media briefings and interviews.
- ___ **DOCUMENT** all decision making, phone calls and key contacts on log sheets.

**ONSITE PUBLIC SPOKESPERSON
ACTIVATION CHECKLIST**

Initial

- ___ **SIGN** staffing sheet.
- ___ **PUT** on position badge.
- ___ **REVIEW** the Emergency Notification Form (ENF).

NOTE: See "Telephone Numbers" folder in the emergency file drawer for bridge and TSC phone numbers.

- ___ **ACCESS** the EOF Bridge to obtain current information if the Onsite News Manager is not available.
- ___ **WORK** with News Manager to complete media prep form.

CAUTION: Any reference to dose is to be based on actual dose at the site boundary.

- ___ **MONITOR** plant status, radiological information and other information via the TSC and EOF bridge lines.
- ___ **REVIEW** media prep forms, all approved statements, news releases and escalated rumor information prior to each stand-up interview. Carry information to each stand-up interview.
- ___ **ADDRESS** significant rumors about plant status and/or any misinformation revealed by media questions during stand-up interview.
- ___ **DOCUMENT** decision making, phone calls and key contacts on log sheets.

**McGUIRE COMMUNITY RELATIONS
DUTY PERSON**

ACTIVATION CHECKLIST

Initial

- ___ **SIGN** staffing sheet.
- ___ **PUT** on position badge.
- ___ **CONTACT** Community Relations Manager and confirm their response to the Center.
- ___ **SERVE** as Onsite News Manager until Community Relations Manager arrives.
- ___ **SERVE** as Onsite News Manager if the Community Relations Manager is not available.

NOTE: JIC bridge numbers are shown in the Joint Information Center telephone directory located in the emergency file drawer.

- ___ **CONTACT** the Public Information Manager in JIC to request a back up Onsite News Manager, if Community Relations manager is unavailable.
- ___ **NOTIFY** Media Relations Duty person on status of Onsite News Manager's response.
- ___ **ENSURE** all bridge lines are connected and the Technical Support Center (TSC) phone is on mute.

NOTE: The emergency planner bridge is to be used for clarifying information on Emergency Notification Forms (ENFs) to ensure accuracy prior to stand-ups and news release approvals.

- ___ **ENSURE** bridge line is established with the TSC emergency planner via headset.
- ___ **CHECK** FAX machine for copy of emergency notification form.
- ___ **DETERMINE** 24-hour staffing requirements.
- ___ **ASSIGN** EnergyExplorium activation activities to available staff.
- ___ **DISPATCH** a staff person to the Technical Support Center if it becomes difficult to get information about the event from the TSC Offsite Communicator or Emergency Planner.
- ___ **ENSURE** status board is updated as needed.

**McGUIRE COMMUNITY
RELATIONS STAFF**

ACTIVATION CHECKLIST

Initial

- ___ **SIGN** staffing sheet.
- ___ **PUT** on position badge.
- ___ **PREPARE** EnergyExplorium upstairs as staff work area.

NOTE: Bridge numbers are located in the Joint Information Center telephone directory in the emergency file drawer.

- ___ **ACCESS** appropriate links using bridge lines.
- ___ **CALL** Industrial Security or Site Services duty person to have building alarm disarmed, if necessary.

NOTE: Ensure both Site and Industrial Security understand that any media they come in contact with is to be directed and/or escorted to the EnergyExplorium.

- ___ **EVALUATE** the need to contact Site Security and **REQUEST** Industrial Security place barricades and signage directing media to the EnergyExplorium.

CAUTION: EPZ diagram and Reception Center Location charts are to be used only by State of North Carolina or EPZ county officials if present.

- ___ **SET** up auditorium for stand-up interviews. This includes:
- microphone
 - podium
 - white board and markers
 - plant schematic (slide, Powerpoint or framed copy)
 - EPZ diagram and chart stands (have available, but not set up)
 - Reception Center Locations chart (have available, but not set up)
- ___ **LOOK** at EnergyExplorium calendar and evaluate rescheduling groups.
- ___ **ASSEMBLE** the following information (to be used in media kits, if requested):
- McGuire Emergency Planning calendar
 - McGuire Brochure
 - Schematic Fact Sheet

**McGUIRE COMMUNITY
RELATIONS STAFF**

ACTIVATION CHECKLIST

CAUTION: Do not allow media to enter EnergyExplorium office area.

___ **ASSIGN** staff members to greet and log in media, and provide visitor badges and media kits.

___ **ASSIST** with media upon arrival.

NOTE: Instructions for accessing forms and data information forms are shown as enclosures 4.5 and 4.6. These forms are also available as hard copies in the emergency file drawer.

___ **OBTAIN** data information forms and forms from the JIC drive, **IF** hard copies are not available.

NOTE: Instructions for forwarding phones to the Customer Service center are located in the emergency file drawer.

___ **DETERMINE** when, or if, EnergyExplorium public telephone lines should be forwarded to the Customer Service Center.

NOTE: Onsite News Manager and the Public Spokesperson will relocate to the EOF or JIC (as needed) once the need to evacuate the Onsite Media Center/EnergyExplorium is determined.

___ **BE PREPARED** to leave the Onsite Media Center/EnergyExplorium should plant conditions require personnel to be evacuated.

**REFERENCE FOR
ACCESSING FORMS**

LOG on computer

DOUBLE-CLICK JIC drive icon, or, "J" drive under "My Computer".

DOUBLE-CLICK on "Forms" under directories

NOTE: A backup diskette containing the Community Relations procedure, news release templates, data information templates, and tip sheets is located in the procedure folder.

DOUBLE-CLICK on "Nuclear Forms".

CLICK on the form you wish to view

PRINT form by clicking print icon

**REFERENCE FOR ACCESSING
DATA INFORMATION FORMS**

TURN on computer

DOUBLE-CLICK JIC drive icon, or "J" drive under "My Computer"

DOUBLE-CLICK on the Data Info folder

SELECT the file you wish to read

PRINT a copy of the forms (if needed) by clicking on the print icon

**REFERENCE FOR
ACCESSING NEWS RELEASES**

TURN on computer

DOUBLE-CLICK JIC drive (icon)

DOUBLE-CLICK on the appropriate nuclear site (cns, mns, ons) in the directories section

DOUBLE-CLICK on "newsrele" under directories

CLICK on "drill" or "emer".

<p>NOTE: Only the first person opening the document can write or edit the news release. All others opening the document will only be authorized to read the document (Read Only).</p>
--

CLICK on the news release you want to view.

PRINT a copy of the news release by clicking on the print icon