

Duke Power Company
McGuire Nuclear Generation Department
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H. B. BARRON
Vice President
(704) 875-4800
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DUKE POWER

April 30, 1997

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

Re: McGuire Nuclear Site
Docket Nos. 50-369 and 50-370
Emergency Plan, Revision 97-1

Dear Sir:

Enclosed for NRC Staff use and review is Revision 97-1 dated April 30, 1997, to the McGuire Nuclear Site Emergency Plan.

This revision is being submitted in accordance with 10 CFR 50.54(q) and does not decrease the effectiveness of the Emergency Plan. A summary of the changes and bases for this determination is provided as Attachment 1.

By copy of this letter, two copies are being provided to NRC Region II, Regional Administrator.

Very truly yours,

H.B. Barron
Vice President
McGuire Site

HBB:tsb

Attachment

AD451/

9705080251 970430
PDR ADOCK 05000369
F PDR



U.S. Nuclear Regulatory Commission
April 30, 1997
Page 2

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

w/o attachment
Victor Nerses
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

NRC Resident Inspector
McGuire Nuclear Station

E.M. Kuhr (EC050)
Electronic Licensing Library (EC050)
EP File 1502

ATTACHMENT 1

The revision is being submitted in accordance with 10CFR50.54(q) and does not decrease the effectiveness of the Emergency Plan. The Plan as revised will continue to meet the requirements of 10CFR50.47 and 10CFR50, Appendix E.

Synopsis of Changes

Table of Contents

Changes made in this section are editorial.

List of Figures

Changes made in this section are editorial.

Section B, On-site Emergency Organization

Duke Power has re-engineered the communications emergency plan to be more effective. New positions have been developed and are now included in Section B.8. As a result of the inclusion, information in Sections B.9 and B.10 have been renumbered and remaining pages in Section B have shifted.

Figure B-1, McGuire Nuclear Site minimum staffing requirements for emergencies has been revised as approved in the NRC safety evaluation dated 11/12/96 (TAC Nos. M92462 and M92463). The NRC determined the following changes do not decrease the level of on-site preparedness:

- Eliminate the 45-minute communicator response.
- Relax the core and thermal/hydraulic technical support response from 45 minutes to 75 minutes.
- Reduce the minimum number of on-shift RP technicians from four to two.
- Relax the response time of two RP technicians used for performing off-site radiation surveys from 45 minutes to 75 minutes.
- Relax the response time of two RP technicians for access control, team coverage, personnel monitoring and dosimetry from 45 minutes to 75 minutes.

- Revise I&E technician response to two personnel on-shift and two within 75 minutes.
- Listing the local support response in the areas of firefighting and rescue operations / first-aid in the column of 75-minute responders.

Figure B-1 has also been reformatted, positions clarified, notes revised, and the EOF minimum staffing commitments have been included.

The Operations Engineering Liaison and TSC/OSC communication positions have been deleted from Figure B-2 as a result of re-engineering in the TSC and the addition of a video conferencing system between the TSC and OSC facilities.

Section C, Emergency Response Support and Resources

Page C-2, Section C-3 has been revised to delete the use of Duke Power personnel and the emergency boat for lake warning purposes. This change does not relax lake warning capabilities but removes Duke Power personnel from assisting in evacuating Lake Norman. Letter to Duke Power Company dated March 21, 1997, from North Carolina Department of Crime Control and Public Safety, Division of Emergency Management (see Attachment 2) states Annex G of the North Carolina Emergency Response Plan has been revised to reflect the sole use of the State of North Carolina and the counties of Mecklenburg, Iredell and Catawba to provide 100% warning capability. Lake evacuation must be performed by certified law enforcement. Use of Duke Power personnel to facilitate evacuation is no longer an option. As stated in the letter, revised Annex G has been tested and evaluated by FEMA with no problems identified.

Section D, Emergency Action Levels

Editorial changes were made to Section D pages as follows:

- Pages D-17, 27, 28, 36, 55: Capitalized train designations for EMFs 51A and 51B and clarified numerical limits
- Pages D-39, 80, 82: Added low range indication (L) to certain EMFs for clarification because they have dual ranges
- Page D-42: Added closure parenthesis to previously unclosed parenthesis
- Page D-47: Corrected for consistency
- Pages D-55, 93, 101, 104: Corrected typographical error
- Page D-70: Incorporated existing note into initiating condition

- Pages D-73, 76: Changed procedural reference
- Pages D-80, 81, 82, 83: Underlined header for emphasis
- Page D-83: Added qualifying statement for consistency with other EAL initiating conditions

Section E, Notification Methodology

1. A new document management system has been adopted to standardize McGuire procedures. As a result, procedure numbers have been changed. The following pages and section numbers contain the revised procedure numbers:
 - Pages E-1 and 2 Section E.2.a
 - Pages E-2, 3 and 4 Section E.2.b
 - Pages E-5 and 6 Section E.2.c
 - Pages E-6, 7 and 8 Section E.2.d

2. The North Carolina Emergency Operations Center (EOC) is now staffed 24 hours a day, 7 days a week. The State of North Carolina has requested initial emergency notifications be through the EOC rather than the State Warning Point. As a result, the following pages and sections were revised to reflect the North Carolina Emergency Operations Center:
 - Page E-1 Section E.2.a
 - Pages E-3 and 4 Section E.2.b
 - Page E-5 Section E.2.c
 - Page E-7 Section E.2.d

3. Page E-8, Section E.2.c has been revised to reflect recommendation of off-site authorities to evacuate the two-mile radius and all affected zones five miles downwind and in-place sheltering for remainder of the 10-mile EPZ not evacuated. Protective Action Guides were adopted from EPA 400-R-92-001 and are shown in Figure J.1. Section E.2.c was not revised when EPA 400 was implemented in Section J of the McGuire Emergency Plan.

Section F, Emergency Communications

1. A new 800 megahertz radio system has been installed and is utilized for communications between the TSC, EOF and radiological monitoring teams. The existing radio system is still utilized for communication among counties, Control Room, TSC and EOF. Sections F.1.b and F.1.d were revised to reflect the above changes.
2. Page F.3, Section F.2: Deleted "telephones". This is an editorial change.
3. Figures F-1 and F-2 were revised to reflect radio communications between the state and counties.

Section G, Public Education and Information

1. Page G-1, Section G: This section was added to make the McGuire Emergency Plan consistent with the Oconee and Catawba plans.
2. Page G-1, Section G.1/G.2: Minor editing occurred in this section. The wording is now consistent between all Duke nuclear sites. A specific mention is made in this section to the location of lake warning signs and refers to Figure G-2.
3. Page G-2, Section G.3.a: Duke Power has re-engineered the communications emergency plan to be more effective. New positions have been developed (shown in Section B). The thrust of the new plan will provide for the capability of responding to media initially at the nuclear site visitor center. Additionally, a joint information center will be activated in downtown Charlotte to respond to media phone calls, rumor calls, response by the county and state public spokespersons. The public Spokesperson will have the authority to approve information being released to the media and to the public.
4. Page G-2, Section G.3.b: Eliminated the first two paragraphs under media. This information is stated in other areas and is no longer needed.

Information in the area under media has been restructured to coincide with the new emergency plan. Two spokespersons may be utilized during the initial stages of an emergency; one at the nuclear site and one in the EOF.

5. Page G-3, Section G.4.a: The plan was revised to indicate that news conferences would be held at the Media Center but informal standup interviews would be the practice at the visitor center. The Senior Vice-President for Nuclear Production is also listed as a Public Spokesperson.
6. Page G-3, Section G.4.b: The communications emergency plan requires coordination between the EOF News Manager and the Public Information Manager for the establishment of the news conferences.

7. Page G-3, Section G.4.b: Revised the wording to indicate that the Duke Power representative going to the counties and state will act as a liaison to assist in clarifying information provided by Duke Power.
8. Page G-3, Section G.4.b: Moved the description of the Communications & Community Relations Emergency Response Organization to Section B.
9. Page G-3, Section G.4.c: The Government Agency Liaison will now be the person in the organization to work with state and county Public Information Officers to acknowledge rumors and determine their origin.
10. Page G-3 and G-4, Section G.4.c: The Duke Power Customer Service Center will be responsible for fielding calls from the public once the phones from the visitor centers are switched to the Customer Service Center. This section provides information relative to how the process will be handled.
11. Page G-4, Section G.4.c: Wording for Employees, Elected Officials, Industry Groups and Regulators was simplified and is consistent at all the Duke nuclear sites. Information on the Catawba Owner's Group was eliminated from the Emergency Plan but was included in the Joint Information Center procedure as a requirement for action by the Public Information Manager.
12. Page G-4, Section G.5: Minor editing has occurred in this section. The wording is now consistent between all the Duke nuclear sites.
13. Page G-4, Section G.5: The News Group Activation section was deleted because the activation process is outlined on the organization chart as shown in Section B.
14. Page G-5: Updated to the 1997 McGuire Nuclear Site calendar
15. Page G-8, Figure G-2: Revised format and updated position titles

Section H, Emergency Facilities and Equipment

1. Page H-2, Section H.1.c: Deleted "in the Work Control area." The Work Control area has been relocated. The OSC is now a dedicated facility.
2. Page H-8, Figure H-1: Revised center table layout
3. Page H-9, Figure H-2: Revised layout of OSC Coordinator table

Section I, Accident Assessment

1. Page I-1, Section I.1: Revised procedure number as a result of new document management system.
2. Page I-1, Section I.2.c: The description of the use of silver Ziolite was revised to agree with the Site Radiation Protection Plan.
3. Page I-2, Section I.3.a/I.3.b: Deleted reference to procedure HP/0/B/1009/05. This procedure was deleted in the 96-1 Emergency Plan revision dated 4/22/96.
4. Page I-3, Section I.7/I.8: This section was revised to delete the Control Room. The communication loop between TSC, EOF and radiological monitoring teams no longer includes the Control Room. This section also reflects the state will be able to relay field monitoring results to county locations.
5. Page I-3, Section I.9: Revised paragraph to show a single channel analyzer is used for measuring radioiodine concentrations in the EPZ instead of a multi-channel system.

Section J, Protective Response

1. Pages J-1 and J-2, Sections J.1.a-d, J.2 and J.5: Containment evacuation was added to the title of RP/0/A/5700/011 and the procedure number was revised as a result of the document management system change.
2. Page J-1, Section J.3: Changed construction to contract. This is an editorial change.
3. Page J-3, Section J.7: Revised the statement to reflect a computer based dose projection model is used for dose projection as opposed to plant procedures.

Section K, Radiological Exposure Control

1. Page K-1, Section K.3.a: Revised to show record keeping for exposure to personnel involved in a radiological accident is now performed in the Operations Support Center instead of the Technical Support Center.
2. Page K-1, Section K.3.a: Added "and/or Multiple". This is an editorial change.
3. Page K-1, Section K.3.b: Revised to show record keeping for exposure to personnel involved in a radiological accident is now performed in the Operations Support Center instead of the Technical Support Center.
4. Page K-2, Section K.5.b: Added "of personnel". This is an editorial change.

Section M. Recovery and Reentry Planning and Postaccident Operations

1. Page M-1, Section M-1: Added a statement to reflect procedural guidance has been developed for recovery and reentry operations.
2. Pages M-3, 4, 5, 6, Sections M.2, M.3, Figures M1 and M2: Revised to reflect a position title change from News Director to News Manager. This is an editorial change.

Section P, Responsibility for the Planning Effort

1. Page P-1, Section P.5: Deleted "Chairman of the". This is an editorial change.
2. Page P-2, Section P.9: Change "Quality Verification Department" to Nuclear Assessment and Issues Division". This is an editorial change.
3. Page P-3, Section P.10: Revised to reflect telephone numbers are now located on the online organization chart.
4. Page P-5, Figure P-2: Editorial changes to reflect new procedure numbers and titles.
5. Page P-6, Figure P-2: Editorial changes to reflect new procedure numbers and titles.
6. Page P-9, Figure P-3: Editorial changes to revise the Emergency Plan Implementing Procedures distribution list.

Section Q, Appendices

1. Page Q-1, Appendix Index: Added Hazardous Materials Response Plan as Appendix 9
2. Page Q-5, Appendix 2, Meteorological Program, Effluent Dispersion Model: Editorial change which revised "Class A" to computer model.
3. Pages Q-5 and Q-6, Appendix 2, Meteorological Program, Dose Assessment Methodology: Revised to show the Dose Assessment Methodology used is now the computer model Raddose-V.
4. Page Q-6, Appendix 2, Meteorological Program, Physical System Description: Revised to describe the Raddose-V program.
5. Page Q-7, Appendix 2, Meteorological Program, Operator Aid Computer (OAC) to Distributed Data Processor (DDP): Editorial change which revised "Class A" to computer model.

6. Appendix 5, Agreement Letters #1-14: Affixed label "Agreement Letter #__" on each. This change will facilitate updating.

Appendix 5, Agreement Letter #15: Replaced INPO Agreement Letter dated January 31, 1996 with letter dated January 31, 1997 and affixed label "Agreement Letter #15".

Appendix 5, Agreement Letter #16: Affixed label "Agreement Letter #16" to facilitate updating.

Appendix 5, Agreement Letter #17: Replaced EPA 400 Implementation Agreement Letter dated March 17, 1994, with letter dated December 6, 1996 and affixed label "Agreement Letter #17".

Appendix 5, Agreement Letter #18: Replaced Northeast Utilities Service Company Agreement Letter dated May 4, 1993, with letter dated August 9, 1996 and affixed label "Agreement Letter #18".

7. Page Q-16, Appendix 6: Editorial changes to revise the Emergency Plan distribution list.
8. Page Q-17, Appendix 6, Number: Editorial changes to revise the Emergency Plan distribution list.
9. Page Q-18, Appendix 6, Number (15): Revised to reflect the new address for the NRC
10. Page Q-18, Appendix 6, Number (23): Revised to delete name of the director and to update the address
11. Page Q-19, Appendix 6, Numbers (29), (30), (31), (32), (33): Revised to reflect titles rather than names in the positions



North Carolina Department of Crime Control and Public Safety
Division of Emergency Management

James B. Hunt Jr., Governor

Richard H. Moore, Secretary

March 21, 1997

Ms. Becky Hasty, Emergency Planning
McGuire Nuclear Site
Huntersville, North Carolina 288078

Dear Ms. Hasty:

Several years ago the McGuire Task Force Lake Warning Project Team reviewed the capabilities of the State of North Carolina and the Counties of Mecklenburg, Iredell and Catawba, to provide 100% warning capability for Lake Norman and the Catawba River in the event of an accident at McGuire. The purpose of this review was to remove any responsibility from Duke Power for evacuation of the lake and river. Use of Duke Power personnel to facilitate evacuation is a problem because they are not certified law enforcement.

Off-site law enforcement agencies are now able to carry out this function due to changes in the lake patrol capability of the Sheriff's departments. The agencies responsible for this function are: Charlotte/Mecklenburg Police Department, Iredell Sheriff's Department, North Carolina Wildlife Resources Commission - Enforcement Division, and the Catawba County Sheriff's Department. We hope to involve the Lincoln County Sheriff's Department and Mecklenburg Parks and Recreation in the future.

The committee revised Annex G to the McGuire Emergency Response Plan to reflect the sole use of law enforcement personnel. The revised Annex G has been tested and evaluated by FEMA. No problems have been identified.

I understand that the Emergency Planning Group at McGuire Nuclear Site has been retaining a boat for Lake Warning. After review of the current plans, and because of the above mentioned changes, I do not believe Lake Warning support from McGuire is still needed.

Should you need any further clarification or assistance on this issue, please contact Mike Cook in the Area E Office at 704-466-5555.

Sincerely,

Eric Tolbert
Director

cc: Tim Miller, Area "E" Coordinator
Mike Cook, Area "E" REP Planner

D.S. - look forward to meeting you.

10 CFR 50.54 (q) INITIAL SCREENING CHECKLIST

<input type="checkbox"/> N/A	EPlan Section No.: <u>Annual Review</u>	Deletion? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<input checked="" type="checkbox"/> N/A	EPIP No.: _____	Deletion? <input type="checkbox"/> YES <input type="checkbox"/> NO
<input checked="" type="checkbox"/> N/A	Other Document/ Form No. _____	Deletion? <input type="checkbox"/> YES <input type="checkbox"/> NO

Title of Document: McGuire Nuclear Site Emergency Plan

Revision No.: 97-1

Procedure Change No. N/A

Synopsis of Change: Synopsis Attached

-
- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO | 1. Is the change to any section of the EPlan? |
| <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | 1. Is the change to an EPIP which will require a revision to any section of the EPlan? |
| <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | 1. Is the change to any other emergency related procedure or form which will require a revision to any section of the EPlan? |

If **YES** is checked for **ANY** of the three questions, complete this 10 CFR 10.54 (q) Initial Screening Checklist, **AND** complete a full 10 CFR 50.54 (q) Review Checklist.

If **NO** is checked for **ALL** three questions, complete this 10 CFR 50.54 (q) Initial Screening Checklist only. A full 10 CFR 50.54 (q) review is **NOT REQUIRED**. The procedure change should be marked appropriately indicating that the change does not decrease the effectiveness of the EPlan, and processing should continue.

A full 10 CFR 50.54 (q) Review Checklist ☒ IS OR ☐ IS NOT REQUIRED.

Performed By: Kerel Beavis

Date: 4/30/97

Reviewed By: Alan L. Baver
Signature

Date: 4/30/97

Emergency Planning Manager: Rebecca L. Hasty
Signature

Date: 4/30/97

**DUKE POWER COMPANY
McGUIRE NUCLEAR SITE
10 CFR 50.54 (q) REVIEW**

Purpose: Determination of a decrease in the effectiveness of the Emergency Plan in accordance with 10 CFR 50.54 (q)			
Plan Title: McGuire Nuclear Site Emergency Plan		Procedure Title: N/A	
Procedure No: N/A	Revision No.: 97-1	Effective Date: 4/30/97	
10 CFR 50.47 (b) Review			
Does this change relax commitments regarding the following subject areas of 10 CFR 50.47 (b)?			
1. Assignment of ERO responsibilities	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2. Assignment of onshift ERO personnel	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3. Arrangement for utilizing State or local resources and staff	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4. EALs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
5. Notifications to offsite agencies, the ERO or the public	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6. Communications between offsite agencies, the ERO, or the public	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7. Dissemination of public information	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8. Adequacy of emergency facilities and equipment	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9. Methods, systems, and equipment for offsite response to a radiological emergency	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10. Protective Action Recommendations / Determination	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11. Emergency Worker radiological injured personnel	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12. Medical services for contamination injured personnel	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13. Re-entry / Recovery plans	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
14. Drills and exercises	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
15. Radiological emergency response training	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
16. Plan development, review and distribution	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10 CFR 50. Appendix E Review			
Does this change relax commitments regarding the following subject areas of 10 CFR 50, Appendix E?			
(i)(ii)(iii) Emergency plans as described in the FSAR	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) A. Organization for coping with radiological emergencies	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) B. Assessment of radiological emergencies	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) C. Classifications, EALs and ERO activation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) D. Notification of Federal, State and local agencies and the public	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) E. ERFs, equipment, and communications	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) F. Training, drills, and exercises	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) G. Plans and procedures and surveillance of equipment and supplies	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
(iv) H. Re-entry and Recovery following an accident	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Determination per 10 CFR 50.54 (q)			
Does this change decrease the effectiveness of the Emergency Plan? (If "Yes", then the change shall not be implemented without prior NRC approval)		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Remarks			
Documentation of Review and Approval			
Review Completed By (Signature): <i>Alan L. Beaver</i>		Date: <i>4/30/97</i>	
Approved By: (Signature) <i>Rebecca L. Hasty</i>		Date: <i>4/30/97</i>	

April 30, 1997

MEMORANDUM

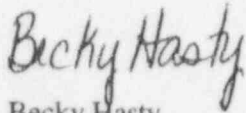
To: All Holders of the McGuire Emergency Plan

Subject: McGuire Emergency Plan

Enclosed please find Revision 97-1 to the McGuire Nuclear Site Emergency Plan. Refer to Attachment 1 to complete the revision to the manual.

If there are any questions, please call me at 704/875-4662.

Sincerely,

A handwritten signature in cursive script that reads "Becky Hasty".

Becky Hasty
Emergency Planning Manager
McGuire Nuclear Station

RLH/tsb

Attachment: Emergency Plan Revision 97-2

cc: EP File 1502

<u>SECTION</u>	<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
Coversheet	Revision 96-2	Revision 97-1
Table of Contents	1 through 6	1 through 7
List of Figures	1	1
Section B	B-3 through B-13	B-3 through B-15
Section C	C-2	C-2
Section D	D-1 through D-107 D-1 through D-4	D-1 through D-107 D-1 through D-4
Section E	E-1 through E-9	E-1 through E-9
Section F	F-1 through F-5	F-1 through F-5
Section G	G-1 through G-8	G-1 through G-6
Section H	H-2 H-8 H-9	H-2 H-8 H-9
Section I	I-1 through I-3	I-1 through I-3
Section J	J-1 through J-3	J-1 through J-3
Section K	K-1 through K-2	K-1 through K-2
Section M	M-1 through M-6	M-1 through M-6
Section P	P-1 through P-3 P-5 through P-6 P-9	P-1 through P-3 P-5 through P-6 P-9

<u>SECTION</u>	<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
Section Q	Q-1	Q-1
Appendix 2:		
Q-5 through Q-7		Q-5 through Q-7
Appendix 5:		
Agreement Letters 1 - 19		Agreement Letters 1 - 19
Appendix 6:		
Q-16 through Q-19		Q-16 through Q-19
Appendix 7:		
Revision 5		Revision 6
Appendix 8:		
Revision 4		Revision 5
		Appendix 9, Haz. Mat. Response Plan and tab