

Duke Power Company  
McGuire Nuclear Station  
12700 Hagers Ferry Road  
Huntersville, NC 28078



**DUKE POWER**

April 22, 1996

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 96-1

Dear Sir:

Enclosed for NRC Staff use and review is Revision 96-1 dated April 26, 1996 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. All changes have been specifically highlighted (side-barred) to facilitate the review.

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

Very truly yours,

T. C. McMeekin  
Vice President  
McGuire Site

TCM:tsb

260032

Attachment

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PDR ADOCK 05000369  
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U.S. Nuclear Regulatory Commission  
April 22, 1996  
Page 2

xc: w/two copies of attachments  
Mr. Stewart D. Ebnetter,  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

w/o attachment  
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McGuire Nuclear Station

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Piedmont Municipal Power Agency  
121 Village Drive  
Greer, S.C. 29651

R. L. Hasty  
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.

The Emergency Plan was converted to a new word processing program, Microsoft Word and as a result some information has shifted pages. The shifts are side-barred where the information has been relocated. These shifts are discussed in the summary as "moved with no change" since 50.54q does not apply.

### 50.54q DETERMINATION

#### Table of Contents

1. Page 1, Section A, revised page numbers
2. Page 1, Section B, revised page numbers
3. Page 1, Section C moved to page 2 with no change
4. Page 2, Section E, revised page numbers
5. Page 2, Section F, added Section F.1.g
6. Page 2, last two lines of Section F and Section G moved to page 3 with no change
7. Page 3, Section H, revised page numbers
8. Page 3, Section I, last 10 lines moved to page 4 with no change
9. Page 4, Section J, revised page numbers
10. Page 4, Section J, last three lines moved to page 5 and revised page numbers
11. Page 4, Section K moved to page 5 with no change
12. Page 5, Section K.7 revised page number
13. Page 5, last nine lines of Section N and Section O moved to page 6 with no change
14. Page 6, Section Q, added Appendix 7 and 8

## **ATTACHMENT 1**

### **List of Figures**

1. Page 1, Figure i-1, revised page number
2. Page 1, Figure i-2, revised page number
3. Page 1, Figure A-1, revised page number
4. Page 1, Figures F-1 through F-4, revised page numbers
5. Page 1, Figures H-1 through H-3, revised page numbers
6. Page 1, last four lines moved to page 2, revised page numbers

### **Introduction**

1. Page i-1, last line moved to page i-2 with no change
2. Page i-3, a. moved from page i-4 to page i-3 with no change
3. Page i-4, paragraph from i-5 moved to page i-4 with no change
4. Pages i-6 and i-7 renumbered to i-5 and i-6 with no change

### **Section A, Assignment of Responsibility**

1. Page A-1, Section A.1.a: last line beginning with "Anson" moved to page A-2 with no change
2. Page A-2, Section A-1.b first paragraph moved to Page A-3 with no change.
3. Page A-3, Section A.1.b, paragraph 1: Revised the statement from "When the Emergency Operations Facility (EOF) is activated and operational, the EOF Director is responsible for company emergency response" to "When the Emergency Operations Facility (EOF) is operational and activated, the EOF Director is responsible for company emergency response".

This change reflects the commitment made to the NRC that the EOF will become operational prior to activation.

## ATTACHMENT 1

4. Page A-3, Section A.1.b, paragraph 3: Revised the statement "As the EOF becomes operational, it will assume many of the functions of the TSC and will rely on the TSC as a vital link to the site." to "As the EOF becomes operational and activated, it will assume many of the functions of the TSC and will rely on the TSC as a vital link to the site."

Although the EOF is operational within 75 minutes of emergency classification, it will not assume functions of the TSC until activated.

5. Page A-3, Section A.1.d: Last four lines beginning with "in charge of" moved to page A-4 and revised the statement "After the EOF is activated and becomes operational, the EOF Director is responsible for company emergency response." to "After the EOF is operational and activated, the EOF Director is responsible for company emergency response."

This change reflects the commitment made to the NRC that the EOF will become operational prior to activation.

6. Page A-4, Section A.4 moved to page A-5 with no change
7. Page A-5 renumbered to A-6 with no change

### **Section B, On-Site Emergency Organization**

1. Page B-5, Section B.9.b, Item 3.: Deleted "Department of Emergency Management, Mecklenburg County (Charlotte, NC)"

This was listed on page B-4 and B-5. The change is considered to be editorial.

2. Page B-8: Corrected total in Capability for Additions in 75 minutes column from 14 to 15

This change is considered to be editorial.

3. Page B-10: Revised the Site Emergency Organization chart

This change reflects the current Emergency Response Organization positions.

### **Section C, Emergency Response Support and Resources**

1. Page C-1, Section C.1.a.: Changed Radiological Assessment Coordinator to Radiological Assessment Manager

This change is considered to be editorial.

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### Section D, Technical Basis Document

No changes

### Section E, Notification Methodology

1. Page E-1, Section E.2.a: Items 7 and 8 moved to page E-2 with no change
2. Page E-2, Section E.2.b: Last paragraph moved to page E-3 with no change
3. Page E-3, Section E.2.b: Last paragraph plus items 1 and 2 moved to page E-4 with no change
4. Page E-4, Section E.2.c: Last two paragraphs plus items 1 through 5 moved to page E-5 with no change
5. Page E-5, Section E.2.c: Items 3 through 5 and the note moved to page E-6 with no change
6. Page E-6, Section E.2.d: Last three lines of the second NOTE beginning with "time the", last two paragraphs, and items 1 and 2 moved to page E-7 with no change
7. Page E-7, Section E.2.d: Numbered items 2 through 5 and NOTE moved to page E-8 with no change
8. Page E-8, Section E.5 moved to page E-9 with no change
9. Page E-8, Section E.6, moved to page E-9 and changed Emergency Broadcast System (EBS) to Emergency Alert System (EAS)  
  
The FCC changed from an analog technology to a digital technology and renamed the system Emergency Alert System
10. Page E-9, Section E-7, changed EBS to EAS
11. Page E-9, Section E.7, changed Broadcast to Alert

### Section F, Emergency Communications

1. Page F-2: Added Section F.1.g, "ERDS Data Transfer"

The section was added to describe the system that provides data to the NRC.

2. Page F-2, Sections F.2 and F.3 moved to page F-3 with no change



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3. Page F-3:, Redrew Figure F-1 for clarity and renumbered page from F-3 to F-4
4. Page F-4: Added Video Conferencing system and Operations Support Center, redrew Figure F-2 for clarity and renumbered page from F-4 to F-5

The video conferencing system allows face-to-face communication between the TSC/OSC and TSC/EOF.

5. Pages F-5 and F-6: Renumbered pages from F-5 and F-6 to F-6 and F-7

### Section G, Public Education and Information

1. Page G-1, Section G.1/G.2, Paragraph 2: Revised third sentence to read: "These locations will include motels, hotels, marinas, lake access areas, and other transient locations as identified on the visitor center's transient list which is updated quarterly."

The addition of marinas and lake access areas more accurately states the locations transient brochures are available.

2. Page G-4, Section G.4.b, last paragraph beginning with Media Monitor (MM): Changed EPS to EAS.
3. Page G-5, Section G.4.c, Industry Groups through Regulators moved to page G-6 with no change.
4. Page G-7, updated to the 1996 MNS calendar

### Section H, Emergency Facilities and Equipment

1. Page H-1, Section H.1.b, item 1: Added statement on video conferencing.

This enhancement allows face-to-face communication between the TSC/OSC and the TSC/EOF.

2. Page H-2, Section H-2, sixth paragraph: Revised to reflect the new location of the JIC.

The JIC continues to be located in the Electric Center but was moved from the second floor to the first floor.

3. Page H-2, last two bulleted items moved to page H-3 with no change
4. Page H-3, Section H.4, last paragraph moved to page H-4 with no change

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5. Page H-4, moved last two lines to page H-5 with no change
6. Page H-5, Section H-6, moved to page H-6 with no change
7. Page H-6, Section H-6, paragraph b: Changed five to seven and forty to forty-six

This change reflects current number of air samplers and thermoluminescent dosimeters.

8. Page H-6, Sections H.10 and H-11: Changed PT/0/A/4600/11A, B, C to PT/0/A/4600/88

PT/0/A/4600/11A, B, C were consolidated into one periodic test

9. Page H-6, Section H.12 moved to page H-7 with no change
10. Pages H-7 through H-9 changed to H-8 through H-10 with no change
11. Page H-10, first note, corrected spelling of entrance

This change is considered to be editorial.

12. Page H-10, second note, revised to reflect new location of JIC
13. Page H-10, changed to page H-11
14. Pages H-11 and H-12 changed to H-12 and H-13 with no change
15. Page H-13, revised to reflect new layout of JIC
16. Page H-14 changed to page H-15 with no change

### Section I

1. Page I-1, Section I.2.b., second paragraph revised to read: In addition, there are two (2) high range containment monitors, two (2) high range unit vent monitors, four (4) steam line monitors per unit and four (4) N-16 steam line monitors per unit.

This more accurately reflects the number of monitors.



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2. Page I-2, Section I-7/I-8: Deleted "and one on-site", added the statement "On-site monitoring is performed by Radiation protection personnel under the direction of the OSC Radiation Protection Supervisor." and moved to page I-3

This clarifies who controls onsite monitoring.

3. Page I-3, Section I-11: Deleted "obtaining" in the statement "capability for obtaining airborne". The statement now reads "Duke Power Company will have monitoring teams in the field, fixed TLD sites and the capability for airborne monitoring to assist in plume tracking."

The deletion of the word "obtaining" makes the statement read correctly. This change is considered to be editorial.

### Section J, Protective Response

1. Page J-5, Section J.10.1 moved to page J-6 with no change.

### Section K, Radiological Exposure Control

1. Page K-1, Section K.3.b: Line 4 starting with "dosimeters and the" moved to page K-2 with no change
- \*2. Page K-2, Section K.5.b, first sentence: Added System in front of Radiation Protection Manual, changed "Section 6.1" to Directive VI-4
- \*3. Page K-2, Section K.5.b: Deleted "Radiation Protection Manual Sections 6.4, Contaminated Personnel, 6.8, Waste Minimization and Disposal, 6.6, Room/Area Decontamination and".
4. Page K-2, Section K.5.b: Changed "PT/0/A/4600/11A, B, C" to PT/0/A/4600/88
5. Page K-2, Section K.5.b: Deleted "and for waste disposal,"
6. Page K-2, Section K.5.b: Added System Radiation Protection Manual Directive IV-3 provides direction for waste disposal

Direction for waste disposal is now contained in the System Radiation Protection Manual.

7. Page K-2, Section K.5.b: Added Handling of contaminated injured personnel is provided in Radiation Protection Manual Section 18.1.

The handling of contaminated injured personnel was deleted from RP/0/A/5700/05 and added to Radiation Protection Manual Section 18.1.

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8. Page K-2, Section K.5.b: Changed "Handling" to Transportation

RP/0/A/5700/05 now deals only with the transportation of contaminated injured personnel.

- \* The information located in the manual sections is now located in the System Radiation Protection Manual Directives referenced in this paragraph.

9. Page K-2, Section K.7 moved to page K-3 with no change

10. Page K-3: Renumbered page from K-3 to K-4 with no change

### **Section L, Medical and Health Support**

No changes

### **Section M, Recovery and Reentry Planning and Postaccident Operations**

1. Page M-1, Section M.1.a, item number 3 moved to page M-2 with no change
2. Page M-2, Section M.1.b, item d.: Moved line beginning with "other locations" from page M-3 to M-2 with no change
3. Page M-4, Section M.4: Deleted "Offsite" and changed Coordinator to Manager

This is an editorial change.

### **Section N, Exercises and Drills**

1. Page N-3, Section N-5: Changed "Action Item List" to "Critique Summary"

The "Action Item List" is no longer used. Items are now entered into the Critique Summary and PIP.

2. Page N-3, Section N-5: Changed "The list will be transmitted to persons designated to have lead responsibility in resolution of the items" to "Items from the Critique Summary will be entered into the Problem Investigation Process (PIP). Through this process, items will be tracked until completed."

PIP is used site wide to assign and document corrective actions. This change will ensure that the site wide corrective action program is utilized for exercise/drill critique items instead of a special action item list generated by the McGuire Emergency Planning Group.

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### **Section O, Radiological Emergency Response Training**

1. Page O-1, Section O-3, deleted "Operations, Safety & Health Services, Maintenance and Security" and added the words "from various site groups"

The reference to specific groups was deleted because MERT members may come from many different site groups.

### **Section P, Responsibility for the Planning Effort**

1. Page P-3, Section P.10: Changed title of PT/O/A/4600/91 from "Periodic Test of Technical Support Center Communications Inventory and ERO Telephone Numbers" to "Periodic Test of Technical Support Center Communications and Supplies"

This change reflects the current title of the PT and is considered to be editorial.

2. Page P-5: Changed title of RP/O/A/5700/12 "TSC Emergency Coordinator Procedure" to Activation of the Technical Support Center (TSC)

This procedure has been revised to provide guidance for all positions in the TSC on initial activation and operational responsibilities.

3. Page P-6: Added RP/O/A/5700/19, Core Damage Assessment to list of Emergency Plan Implementing Procedures

RP/O/A/5700/19 was added as an implementing procedure in January 1994. However, Figure P-2 was not revised to reflect the procedure.

4. Page P-6: Added RP/O/A/5700/20, Activation of the Operations Support Center (OSC) to list of Emergency Plan Implementing Procedures

This is a new procedure to provide guidance for all positions in the OSC on initial activation and operational responsibilities.

5. Page P-6: Added RP/O/A/5700/21, EOF Access Control to list of Emergency Plan Implementing Procedures

This is a new procedure to provide guidance to Access Control personnel in the EOF.

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6. Page P-6: Deleted HP/0/B/1009/05, First Response Evaluation of Offsite Dose From a Reactor Coolant Leak Inside Containment

Upon declaration of a General Emergency, we will automatically recommend evacuation of two (2) miles around and five (5) miles downwind, sheltering all others not evacuated. This is done no matter what the projected doses are in each sector. A General Emergency based on radiological conditions is reached when the projected dose in any zone reaches 1 Rem TEDE or 5 Rem CDE Thyroid. To ensure proper classification at all times, Emergency Action Levels (EALs) for radiation monitor readings were conservatively calculated based on 1 R TEDE and 5R CDE thyroid at the site boundary. Site Area Emergency EALs are based on 10% of these limits.

7. Page P-6, HP/0/B/1009/06 moved to page P-7 with no change
8. Page P-7: Moved MNS Radiation Protection Manual to page P-8 and deleted reference to MNS Radiation Protection Manual 18.4, Planned Emergency Exposure

This information has been relocated to the System Radiation Protection Manual Section VI-6 and implementing procedures RP/0/A/5700/03 (Site Area Emergency), RP/0/A/5700/04 (General Emergency) and RP/0/A/5700/20 (Activation of the Operations Support Center (OSC)).

9. Page P-8: Renumbered page from P-8 to P-9
10. Page P-8: Changed Control No. 2 from J.W. Foster to W.F. Byrum
11. Page P-8: Changed Control No. 10 from QA Dept., Audit Division, c/o Loretta Roberts, EC12 to NSRB, Gene Walker, EC05N
12. Page P-8: Changed Control No. 13 from P. McNamara to S. Christopher
13. Page P-8: Changed Control No. 18 from R.F. Smith to D.C. Searce
14. Page P-8: Changed Control No. 21 from Tim Miller to Fixed Nuclear Facility Planner
15. P-8:: Items 23 through 25 moved to page P-10 with no change

## ATTACHMENT 1

### Section Q, Appendix Index

1. Page Q-1: Added Appendix 7, Spill Prevention Control and Countermeasure Plan

It is intended that the Emergency Plan be an all inclusive emergency plan. The Emergency Plans at all three sites should encompass any type of emergency that could occur onsite. This includes radiological events, security, natural disasters, fire and oil spills as well as hazardous material spills.

2. Page Q-1: Added Appendix 8, McGuire Hazardous Waste Contingency Plan

It is intended that the Emergency Plan be an all inclusive emergency plan. The Emergency Plans at all three sites should encompass any type of emergency that could occur onsite. This includes radiological events, security, natural disasters, fire and oil spills as well as hazardous material spills.

3. Page Q-9, paragraph B: Changed EBS to EAS

4. Page Q-9, paragraph C: Moved first sentence on page Q-10 to bottom of Q-9 with no change

5. Page Q-10: Moved first two sentences on page Q-11 to the bottom of page Q-10 with no change

6. Page Q-13: Revised Figure Q-2, Siren Locations, to reflect correct site for Siren 56.

The physical siren location has not been changed; it was shown incorrectly on the drawing.

7. Agreement Letters

Replaced (REAC/TS) letter dated November 24, 1992 with letter dated September 27, 1995

Replaced INPO letter dated May 6, 1994 with letter dated January 31, 1996

8. Page Q-16: Added distribution for Electronic Licensing Library, Emergency Plan No. 37

9. Page Q-16: Changed Marilyn Lineberger to Diane Savage for Emergency Plan No. 19

10. Page Q-16: Last two lines moved to top of page Q-17 with no change

## ATTACHMENT 1

11. Page Q-17: Changed Tim Miller to Fixed Nuclear Facility Planner for Emergency Plan No. 25
12. Page Q-17: Changed Bob Phillips to Jim Pharr for Emergency Plan No. 30
13. Page Q-18: Changed Tim Miller to Fixed Nuclear Facility Planner for Emergency Plan No. 25
14. Page Q-18: Deleted reference to Control Copy No. 27 (Linda Kish, Westinghouse Electric Corporation)
15. Page Q-19: Changed Bob Phillips to Jim Pharr for Emergency Plan No. 30
16. Added Appendix 7, Spill Prevention Control and Countermeasure Plan
17. Added Appendix 8, Hazardous Waste Contingency Plan



April 22, 1996

MEMORANDUM

To: All Holders of the McGuire Emergency Plan

Subject: Revision 96-1, McGuire Emergency Plan

Enclosed, please find Revision 96-1 to the McGuire Nuclear Site Emergency Plan. Refer to Attachment 1 to complete the revisions to the manual.

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

Sincerely,

*Becky Hasty*

Becky Hasty  
Emergency Planning Manager  
McGuire Nuclear Station

RLH/tsb

Attachment: Emergency Plan Revision 96-1

cc: EP File 1502

<u>SECTION</u>	<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
Coversheet	Coversheet, Revision 95-2	Coversheet, Revision 96-1
Table of Contents	1 through 6	1 through 6
List of Figures	1 through 2	i through 2
Introduction	i-1 through i-7	i-1 through i-6
Section A	A-1 through A-5	A-1 through A-6
Section B	B-1 through B-13	B-1 through B-13
Section C	C-1 through C-2	C-1 through C-2
Section E	E-1 through E-11	E-1 through E-11
Section F	F-1 through F-6	F-1 through F-7
Section G	G-1 through G-8	G-1 through G-8
Section H	H-1 through H-14	H-1 through H-15
Section I	I-1 through I-4	I-1 through I-4
Section J	J-1 through J-17	J-1 through J-17
Section K	K-1 through K-3	K-1 through K-4
Section L	L-1 through L-2	L-1 through L-2
Section M	M-1 through M-7	M-1 through M-7
Section N	N-1 through N-3	N-1 through N-3
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Section P	P-1 though P-8	P-1 through P-10
Appendix	Q-1	Q-1

<u>SECTION</u>	<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
Appendix 1	Q-2 through Q-4	Q-2 through Q-4
Appendix 2	Q-5 through Q-8	Q-5 through Q-8
Appendix 3	Q-9 through Q-13	Q-9 through Q-13
Appendix 4	Q-14	Q-14
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	Agreement Letters:	Agreement Letters:
	REACTS	REACTS
	INPO	INPO
Appendix 6	Q-16 through Q-19	Q-16 through Q-19
Appendix 7		New Section New Tab
Appendix 8		New Section New Tab