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10 CFR 50.54(q)

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555-0001

Subject: Duke Energy Carolinas, LLC
McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369, 50-370
Emergency Plan, Revision 15-2

Please find attached Revision 15-2 to the McGuire Nuclear Station Emergency Plan. This revision is submitted in accordance with the requirements of 10 CFR 50.54(q) and does not result in a reduction in the effectiveness of the Emergency Plan or the Emergency Plan Implementing Procedures.

Questions regarding this submittal should be directed to Kay Crane, McGuire Regulatory Affairs, at (980) 875-4306.


for

Steven D. Capps

Attachments

AX45
NRR

U. S. Nuclear Regulatory Commission
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bxc: ELL (EC2ZF)
Master File 801.01
EP File 111

DUKE ENERGY
McGUIRE NUCLEAR SITE
EMERGENCY PLAN

APPROVED: *Sammy Alon for Steven D. Capps*
SITE VICE PRESIDENT

DATE APPROVED: 7/21/15

REVISION 15-2: July, 2015

EFFECTIVE DATE: July, 2015

ORIGINAL DATE: August 25, 1980

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K. RADIOLOGICAL EXPOSURE CONTROL

To assure that means for controlling radiological exposures in an emergency are established for emergency workers.

K.1 Onsite Exposure Guidelines

Onsite exposure guidelines consistent with EPA 400-R-92-001, Table 2-2, "Guidance on Dose Limits for Workers Performing Emergency Services" are shown in Figure K-1.

Members of outside emergency services responding to a call from the site are considered emergency workers and must also be protected from excessive radiation doses. Their doses are not to exceed guidelines as established in Figure K-1.

K.2 Doses in Excess of 10CFR Part 20

The Emergency Coordinator or the EOF Director is responsible for authorizing emergency workers to receive doses in excess of 10CFR20 limits. An on-site radiation protection program shall be implemented during emergencies which shall be consistent with ALARA conditions. The site will be responsible for providing medical treatment and rescue efforts for life-saving missions. Site procedures are in place for expeditious decision-making with reasonable consideration of the relative risks involved in a lifesaving mission involving radiation exposure.

K.3 Emergency Personnel Exposure and Records

K.3.a Distribution of Dosimetry

Provisions have been made for maintaining records of emergency personnel during a radiological emergency on a 24-hour per day basis. The Operations Support Center will provide a means for keeping track of exposure to personnel involved in a radiological accident. Distribution of dosimeters (self-reading and TLD badges) will be provided for all personnel.

The issuance of High Range and/or Multiple Dosimetry will be in accordance with Radiation Protection procedures.

Should any offsite agency respond to an emergency at the site during a nuclear emergency, dosimeters will be provided for their use to determine any exposure.

K.3.b Dose Records

The Operations Support Center through the Radiation Protection section shall have the responsibility of keeping records of the doses received by emergency personnel involved in any radiological accident. Normal operating procedures shall be followed for the use of dosimeters and the TLD badges. Distribution of the dosimeters and badges shall be through Radiation Protection.

K.4 State/Local Plan for Authorizing Doses Exceeding PAG's

See County and State Plans.

K.5 Decontamination

K.5.a Action Levels For Determining the Need For Decontamination

Guidelines as established in the System Radiation Protection Manual will be used to determine action levels for decontamination. Pre-planning efforts have been established by the Radiation Protection Section.

K.5.b Radiological Decontamination

AD-RP-ALL-2009, Personnel Contamination Monitoring and Reporting, defines the specific action levels for determining the need for decontamination of personnel. PT/0/A/4600/088, Functional Check of Emergency Vehicle and Equipment, defines the means for availability of supplies, instruments and equipment. Radiation Protection Policy Manual Policy IV-3 provides direction for waste disposal. HP/0/B/1009/024, Personnel Monitoring for Emergency Conditions promotes means for decontamination of emergency personnel. Handling of contaminated injured personnel is provided in HP/0/B/1009/022, Accident and Emergency Response. Transportation of contaminated injured personnel is described in site procedure RP/0/A/5700/005, Care and Transportation of Injured Individual(s) From Site to Offsite Medical Facility.

K.6 Contamination Control Measures

K.6.a Area Access Control - The site will be evacuated when site management declares a Site Evacuation and a potential threat exists for safety of non-essential personnel. Once the site has been evacuated, access to the site will be limited by the Highway Patrol on the public highway and then Site Security will limit access to the site except through established access procedures.

K.6.b Drinking Water and Food Supplies - Drinking water and food supplies can be brought in by private vendor if necessary. Arrangements will be made by the Commodities and Facilities Manager/Designee.

K.6.c Recovery efforts will be determined by the Emergency Operations Facility Organization (see Section M).

K.7 Decontamination of Personnel at Relocation Assembly Area

Should non-essential plant personnel be evacuated from site to a relocation area, provisions for extra clothing and decontaminants suitable for any type of contamination have been made. Extra clothing and supplies have been placed at the relocation site to take care of site personnel.

Relocation assembly areas have been determined so that site personnel can be relocated to a safe site quickly and can be decontaminated (if necessary), monitored and released. Records will be made of the exposure of all personnel released from the relocation site. (Site procedures provide for emergency supplies to be provided at the off-site relocation assembly area.)

FIGURE K-1

Emergency Worker Exposure Guidelines (a)			
<u>Dose Limits</u>			
<u>Activity</u>	<u>Total Effective Dose Equivalent (TEDE)</u>	<u>Lens of Eye</u>	<u>Other Organs (b)</u>
All	5 rem	15 rem	50 rem
Protecting Valuable Property	10 rem	30 rem	100 rem
Lifesaving or Protection of Large Populations	25 rem	75 rem	250 rem
Lifesaving or Protection of Large Populations (c)	> 25 rem	> 75 rem	> 250 rem

- (a) Excludes declared pregnant women
- (b) Includes skin and body extremities
- (c) Only on a volunteer basis to persons fully aware of the risks involved

Based on EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents

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SECTION Q

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APPENDIX 2

MCGUIRE NUCLEAR SITE

METEOROLOGICAL PROGRAM

INTRODUCTION

The meteorological program described in this appendix was developed using guidance provided by NUREG-0654, Revision 1, Regulatory Guide 1.23, Proposed Revision 1, Regulatory Guide 1.111, Revision 1, and Regulatory Guide 1.109.

EFFLUENT DISPERSION MODEL

A computer model which simulates the transport and diffusion of released effluents is a puff-advection model which incorporates a horizontal wind field that can vary in time but is consistent in space. It is assumed in the puff-type model that the spread within a puff along the direction of flow is equal to the spread in the lateral direction (i.e., horizontal Gaussian Symmetry). In the model, concentration averages are obtained by summing concentrations of individual elements for the grid points over which the puffs pass. Features incorporated into the model include the use of primary, backup and predicted data, building wake effects and an assumed ground release mode. Appropriate persistence would be used for initial releases until a meteorologist is notified to provide predictive data.

INSTRUMENTATION

Figure 2-1 shows the type and number of parameters measured at McGuire Nuclear Site. The meteorological conditions present at McGuire Nuclear Site warrant the use of the basic described meteorological variables. These include wind speed and wind direction measured at high and low levels, delta-temperature and sigma theta for stability classification, ambient air and dew point temperature and precipitation.

DATA HANDLING

Meteorological data for dose calculation consists of a primary digital recording/storage system and a secondary analog chart recording system both of which meet system accuracies and other specifications as suggested in Regulatory Guide 1.23, Proposed Revision 1. In the digital system meteorological variables are sampled at varying time (1-60 seconds) intervals from which 15 minute total, average and/or standard deviation quantities are computed. Digital data is placed on an external PI server accessible to computers that are used for emergency effluent dispersion modeling and dose calculation. The chart recording system is maintained as a backup to the digital system.

DOSE ASSESSMENT METHODOLOGY

Dose assessment is calculated through a dose projection computer model Unified RASCAL Interface (URI). The model provides for the assessment of off-site radiological doses and accommodates both real time and forecast modes in the calculation of exposures to the general public. The model provides results of the sum of the effective dose equivalent from external radiation (both plume and ground deposition) and the committed effective dose equivalent from the inhalation of radioisotopes (the sum of both factors equaling the total effective dose equivalent of TEDE), and the committed dose equivalent to the thyroid (CDE thyroid). Dose conversion factors are derived from Regulatory Guide 1.109.

The model uses source term (amount of radioactivity in the unit vent, containment and containment leakage or steam release valves), flow rates and real time meteorology to calculate doses. Unit vent grab sample analyses or unit vent radiation monitor readings are used to determine concentrations of radioactivity within the unit vent source term. Containment atmosphere samples, containment process radiation monitors or containment high range radiation monitors are used to determine concentrations within the containment source term. The containment design leak rate is used unless factors, such as containment pressure, indicate that another value is more realistic. Equivalent concentrations from a steam release are calculated by using known or assumed steam mass release rates and the specific steam line radiation monitor reading.

PHYSICAL SYSTEM DESCRIPTION

Continuous parallel signals enter each Operator Aid Computer (OAC) and the analog recorders. The OAC calculates end to end 15 minute quantities, starting on the hour, for all meteorological variables (except sigma theta) with a sampling interval of 60 seconds. It calculates a 15 minute average for high and low level wind direction and speed; 15 minute averages are also calculated for delta-temperature, ambient temperature and dew point temperature. Total water equivalence is computed for precipitation. Sigma theta is calculated by a field unit with a sampling interval of one second again for end to end 15 minute periods starting on the hour, and then is fed to each OAC. All quantities are stored on the OAC with a minimum recall of 12 hours. This data is transferred to the MNS PI Server. Data stored on the PI server is accessible to computers which are used for emergency effluent dispersion modeling and dose calculation

DETAILED DESCRIPTION OF SUBSYSTEMS

Sensors to Operator Aid Computer

Lightning protection is provided for all sensors and signal conditioning equipment; wind sensors are outfitted with heating jackets, when necessary, for protection against icing conditions. Signal conditioners and the sigma theta field unit are housed in an environmentally controlled building at the base of the high level tower. Signal cables to the OACs and analog recorders are shielded to minimize electrical interference.

Operator Aid Computer (OAC) to MNS PI Server

The process computer OAC system which is utilized for data storage consists of SAIC, HP and RTP equipment. Each unit OAC is a backup for the other, capable of supplying the same required meteorological values. The data is transferred to the MNS PI server which is the server used for long-term data storage and retrieval. Plant data on the PI server is accessible to computers that are used for emergency effluent dispersion modeling and dose calculation.

QUALITY ASSURANCE

Meteorological components have been designed, procured and installed as a non-safety related system. Equipment has been purchased from suppliers which have provided high quality, reliable products in the past. Surveillance during construction was provided as for any other non-safety system.

FIGURE 2-1

MCGUIRE NUCLEAR SITE
METEOROLOGICAL PARAMETERS OF THE UPGRADED SYSTEM

Measurement
System

Existing high level and
10 meter tower

High level wind speed
and direction
Low level wind speed
and direction
Delta-temperature
Low level sigma theta
Dry bulb temperature
Dew point
Precipitation

APPENDIX 3

DUKE ENERGY MCGUIRE NUCLEAR SITE ALERT AND NOTIFICATION SYSTEM DESCRIPTION

GENERAL DESCRIPTION

The Alert and Notification System for McGuire Nuclear Site consists of an acoustic alerting signal and notification of the public by commercial broadcast (EAS). The system is designed to meet the acceptance criteria of Section B of Appendix 3, NUREG-0654, FEMA-REP-1, Rev. 1.

The Emergency plans of Duke Energy, the State of North Carolina, and the counties of Mecklenburg, Gaston, Catawba, Lincoln, and Iredell include the organizations and individuals, by title, who will be responsible for decision-making as regards the alert and notification system. The county locations from which the sirens would be activated and, potentially, the request for an EAS message would come are manned 24 hours per day. Each organization's plan describes provisions for use of public communications media or other emergency instructions to members of the public. The plans of the state of North Carolina include a description of the information that would be communicated to the public under given circumstances.

A. Concept of Operations

A system of 67 fixed sirens is installed and operational in the 10-mile Emergency Planning Zone (EPZ) around McGuire Nuclear Site. A backup means of alerting and notification is described in the State and County Plans. This backup method includes area-wide emergency service vehicles traversing the area and giving both an alerting signal and notification message.

Each county will control the activation of the sirens within its boundaries (except for Catawba County - their one siren will be activated by Lincoln County). Each county also has the capability to activate all sirens in the EPZ from its control point.

B. Criteria for Acceptance

The alert and notification system for the McGuire Nuclear Site provides an alerting signal and an informational or instructional message to the population (via the EAS) on an area-wide basis throughout the 10-mile EPZ within 15 minutes from the time the cognizant off-site agencies have determined the need for such alerting exists. The emergency plans for the state of North Carolina (Annex E) include evidence of EAS preparation for emergency situations and the means for activating the system.

C. Physical Implementation

1. The activation of this alert and notification system requires procedures and relationships between both Duke Energy and the off-site agencies that support Duke and McGuire Nuclear Site. When an incident is determined to have reached the level requiring public protective actions, Duke contacts the cognizant off-site agency via DEMNET and provides its recommendations. This system is available for use 24 hours per day and links the Control Room, TSC, EOF, SERT headquarters, the county warning points, and the county EOC's.
2. The expected performance of the sirens used in this system is described in Figure Q-1. These sirens complement existing alerting systems. The ambient background sound level in the McGuire area is taken to be 50 db for areas of "less than 2000 persons/per square mile" and 60 db for areas above this density. On this basis, the siren coverages are designed to provide a signal 10db above the average daytime ambient background.

Furthermore, the sirens have been located to assure that the maximum sound levels received by any member of the public should be lower than 126 db.

The basis for selection of the 60 db(c) and 70 db(c) criteria is documented as follows:

Location of heavy industry - There is no "heavy industry" in the McGuire 10 mile EPZ.

Attenuation factors with distance - 10 db loss per distance doubled (See Figure Q-1)

Siren output db(c) at 100 ft. vs. assumed range and acoustic frequency spectra -

2001-AC: 126± 1.0 db at 100 feet

Assumed ranges per Figure Q-1, 10 db loss column

Frequency Spectra:

2001-AC: top frequency 750 Hz

Map showing siren location - See Figure Q-2

Mounting height of sirens - 50 feet (approximate)

Special weather condition considerations (such as expected heavy snow) - None

The siren system will produce a 3 minute steady signal and is capable of repetition.

Test Program

Periodic testing of the sirens is performed as follows:

Test	Req'd By	Min. Req'd Freq.	Norm. Freq. Perf. By Duke
Silent Test	FEMA-REP-10, NUREG-0654 Rev. 1, App. 3	Every two weeks.	Normally performed weekly on Thursdays.
Full Cycle Test (called full-scale test by FEMA)	FEMA-REP-10, NUREG-0654 Rev. 1, App. 3	Annually.	Normally performed on the second Wednesday of each quarter, or during the biennial exercise. See Note 1 below.
Growl Test	FEMA-REP-10, NUREG-0654 Rev. 1, App. 3, FEMA CPG 1-17 March 1, 1980 {PIP-G-00-0135}	Quarterly and after PM is performed.	See NOTE 1 below for quarterly test. See NOTE 3 below for growl test following PM.

- NOTE:**
1. Quarterly full cycle tests fulfill/exceed the requirements for quarterly growl tests.
 2. Each site may elect to perform some method of feedback system verification during the full cycle siren test.
 3. For the FEMA CPG 1-17 growl test following PM, the siren chopper is sounded for a short period of time so that it never produces full sound output. {PIP G-00-0135}

Refer to FAM Section 3.3 for a detailed narrative of the siren test program.

FIGURE Q-1

SIREN RANGE IN FEET

12 AND 10 dB LOSS PER DISTANCE DOUBLED

MINIMUM LEVEL COVERAGE <u>IN dB</u>	2001AC <u>126dB(c)SIREN</u>	
	<u>12</u>	<u>10</u>
85	1125	1830
80	1500	2600
75	2000	3680
73	2260	4210
70	2700	5200
68	3000	6000
65	3600	7400
60	4800	10400

Figure Q-2 Siren Locations



APPENDIX 4

DUKE ENERGY MCGUIRE NUCLEAR SITE EVACUATION TIME ESTIMATES DECEMBER 2012

The evacuation time estimates described in part J of this plan were prepared for McGuire by KLD Engineering, P.C. Report KLDTR-501, MNS, development of Evacuation Time Estimates, revision 1. See MNS-ETE-12132012-000, MNS Evacuation time Estimates (ETE) dated December 2012.

The purpose of the study was to update the permanent resident population count for the EPZ around McGuire Nuclear Site due to population growth.

The ETE Report has been made available to site, state, and local planners for their use.

Six scenarios were chosen to be studied and ETE listed is for entire EPZ:

1. Winter weekday, fair weather conditions. Estimated evacuation time is 4 hours 35 minutes.
2. Winter weeknight, fair weather conditions. Estimated evacuation time is 3 hours 10 minutes.
3. Summer weekend, fair weather conditions. Estimated evacuation time is 3 hours 30 minutes.
4. Winter weekday, adverse weather conditions. Estimated evacuation time is 5 hours 40 minutes.
5. Winter weekend, adverse weather conditions. Estimated evacuation time is 4 hours 10 minutes.
6. Summer weekend, adverse weather conditions. Estimated evacuation time is 3 hours 55 minutes.

The evacuation study is available in the MNS Emergency Planning office for study and review.

APPENDIX 5
AGREEMENT LETTERS

The following agreement letters support the McGuire Nuclear Site Emergency Plan. A general description of the contents of each of the letters of agreement below follows the name of the facility or governmental agency.

1. Carolinas Medical Center--Describes the arrangements between Carolinas Medical Center and Duke Energy Corporation relative to the medical care and treatment to also have injured personnel that may also have radioactive contamination.
2. Huntersville Fire Department--Describes the type of assistance which the Huntersville Fire Department will provide to the McGuire Nuclear Station in the event of an emergency such as a radioactive release, hostile action, large scale fire or natural disaster (i.e., hurricane, tornado, earthquake or flooding) or hazardous material issues.
3. Cornelius Volunteer Fire Department-- Describes the type of assistance which the Cornelius Fire Department will provide to the McGuire Nuclear Station in the event of an emergency such as a radioactive release, hostile action, large scale fire or natural disaster (i.e., hurricane, tornado, earthquake or flooding) or hazardous material issues.
4. Mecklenburg County Fire Marshall--Confirms that the Mecklenburg County Fire Marshall will respond to a request from the Huntersville Fire Department or Cornelius Fire Department for assistance in dealing with a fire emergency at the McGuire Nuclear Station.
5. North Mecklenburg Rescue Squad (DELETED)
6. Mecklenburg Emergency Medical Services Agency (MEDIC)--Describes the assistance to be provided by MEDIC to support the McGuire Nuclear Site Emergency Plan. Assistance may include providing lifesaving care, transporting patients, and operating ambulances and quick response vehicles to provide services.
7. Charlotte-Mecklenburg Emergency Management Office--Describes both emergency and non-emergency assistance by the Charlotte-Mecklenburg

Emergency Management Office to support the McGuire Nuclear Site Emergency Plan .

8. Iredell County Civil Preparedness Agency--Describes both emergency and non-emergency assistance by the Iredell County Civil Preparedness Agency to support the McGuire Nuclear Site Emergency Plan.
9. Lincoln County Department of Emergency Management-- Describes both emergency and non-emergency assistance by the Lincoln County Department of Emergency Management to support the McGuire Nuclear Site Emergency Plan.
10. Gaston County Department of Emergency Management-- Describes both emergency and non-emergency assistance by the Gaston County Department of Emergency Management to support the McGuire Nuclear Site Emergency Plan.
11. Catawba County Department of Emergency Management--Describes both emergency and non-emergency assistance by the Catawba County Department of Emergency Management to support the McGuire Nuclear Site Emergency Plan.
12. Cabarrus County Department of Emergency Management-- Describes both emergency and non-emergency assistance by the Cabarrus County Department of Emergency Management to support the McGuire Nuclear Site Emergency Plan.
13. REAC/TS--Describes the arrangement for the US Department of Energy (DOE) REAC/TS facilities and team to be available to provide back-up capability and assistance to Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. in the event of a radiological emergency.
14. DOE - Savannah River--Describes the arrangements between the US Department of Energy, National Nuclear Safety Administration to support the Emergency Plans of the Duke Energy Carolinas and Duke Energy Progress nuclear sites DOE/NNSA assistance will be advice, detection and identification of radioactive materials, and/or monitoring and assessment actions essential for the control of the immediate hazards to health and safety.
15. INPO--Certifies that INPO will assist the McGuire Nuclear Station in acquiring of other organizations in the nuclear industry as described in Section 1 of the

Emergency Resources Manual, INPO 03-001 and the United States Industry Response Framework.

16. North Carolina-- Describes both emergency and non-emergency assistance by the State of North Carolina Department of Public Safety, North Carolina Emergency Management (NCEM) and the State of North Carolina Division of Health Service Regulation, Radiation Protection Section (RPS) to support the McGuire Nuclear Site Emergency Plan.
17. Letter Documenting Duke Energy Assumptions for Offsite Dose Calculation Methodology--Documents the assumptions that the McGuire Nuclear Station utilizes in performing offsite dose calculations for (1) atmospheric dispersion, (2) deposition, (3) radiological, (4) information included on the emergency notification form, and (5) accounting for internal dose to emergency workers.
18. Duke Energy Back-Up TLD Reader (DELETED)
19. Joint Information Center--Establishes an agreement regarding, and provides reference to , the operating guidelines, processes, and procedures governing the use of Joint Information System (JIS) and Joint Information Centers (JIC) by providing a holistic approach for a communications response to a declared emergency or significant event at the McGuire Nuclear Station.
20. Alternate Site Agreement--Describes the terms and conditions of the agreement between the Catawba Nuclear Station and the McGuire Nuclear Station for using either facilities existing business unit space; in this case the Technical Support Center or Alternate Technical Support Center as an alternate site Emergency Operations Facility in the event of a service disruption and/or a disaster rendering the primary Emergency Operations Facility unavailable and relocation of the primary Emergency Operations Facility is necessary.
21. Safe Industries (Hale Pump Repair Vendor)--Describes the agreement to the request by Duke Energy regarding assistance with technical support after hours and in emergency situation. In the event a Duke Energy site is in need of emergency technical support , trouble shooting, or assistance with the equipment or operation of Hale pumps.
22. Duke's Lincoln Combustion Turbine Facility Operating Agreement with MNS/CNS/ONS on Emergency Supply of Diesel Fuel--Documents the contingency plan between Duke Energy's Lincoln Combustion Turbine Facility

and Duke Energy's McGuire, Catawba, and Oconee Nuclear Stations concerning the Lincoln Combustion Turbine Facility providing the emergency supply of diesel fuel during a disruption of normal diesel fuel supply.

23. Charlotte-Mecklenburg Police Department (CMPD) Describes the type of assistance which the Charlotte-Mecklenburg Police Department will provide to the McGuire Nuclear Station in the event of an emergency such as a radioactive release, hostile action, large scale fire or natural disaster (i.e., hurricane, tornado, earthquake or flooding).

These Letters of Agreement are updated as necessary and at least every three (3) years to ensure adequate awareness on all parts concerned of the existence and commitment to provide agreed services or assistance. The actual letters are not included as part of the McGuire Nuclear Site Emergency Plan but can be located in the Duke Energy electronic data Fusion system.

APPENDIX 6

MCGUIRE NUCLEAR SITE EMERGENCY PLAN DISTRIBUTION

NAME

McGuire Nuclear Site

Document Control, MG05DM
Site Emergency Planner, MG01EP
Site Emergency Planner (TSC), MG01EP
Control Room, MG01OP
Operator Training Director, MG03OT
Operations Staff Manager, MG01OP
Operations Shift Manager, MG01OP
Radiation Protection Manager, MG01RP
Satellite File, MG01S1
Environmental Management, MG01EM
Regulatory Compliance, MG01RC

EOF Director's Area

McGuire Emergency Planning, MG01EP

NRC

McGuire NRC Resident Inspector, MG01A
NRC Regional Administrator (copy forwarded by Emer. Plan)
NRC Regional Administrator (copy forwarded by Emer. Plan)
NRC Document Control (copy forwarded by Emer. Plan)
NRC Office Of Nuclear Material Safety and Safeguards

Emergency Planning Consultant/NSRB Staff

E. M. Kuhr, EC05P

News Group

Emergency Planning Consultant, EC12X

Catawba Nuclear Site

CNS Emergency Planning Manager, CN01EP

North Carolina

Director, Division of Environmental Health, Radiation Protection Section, Raleigh, NC
NCEM REP Program Manager, Raleigh, NC
NCEM Western Branch Office Manager, Conover, NC

Cabarrus County

Coordinator, Cabarrus County Dept. of Emergency Mgmt., Concord, NC

APPENDIX 6

MCGUIRE NUCLEAR SITE EMERGENCY PLAN DISTRIBUTION

Catawba County

Catawba County Emergency Management Coordinator, Newton, NC

Gaston County

Coordinator, Gaston County Dept. of Emergency Mgmt., Gastonia, NC

Iredell County

Coordinator, Iredell County Civil Preparedness Agency, Statesville, NC

Lincoln County

Director, Lincoln County Emergency Services, Lincolnton, NC

Mecklenburg County

Director, Charlotte-Mecklenburg Emergency Mgmt. Office, Charlotte, NC

Oconee Nuclear Site

ONS Emergency Planning Manager, ON03EP

APPENDIX 6

MCGUIRE NUCLEAR SITE EMERGENCY PLAN DISTRIBUTION

(ADDRESSES)

Director
Division of Environmental Health
Radiation Protection Section
1645 Mail Service Center
Raleigh, NC 27699-1645

REP Program Manager
NC Division of Emergency Management
4713 Mail Service Center
Raleigh, NC 27699-4713

Western Branch Office Manager
NC Division of Emergency Management
3305-15 16th Ave. S.E.
Suite 305
Conover, NC 28613-9213

Coordinator
Cabarrus County Department of Emergency Management
P.O. Box 707
Concord, NC 28026-0707

Michael F Weber, Director
Office of Nuclear Material Safety and Safeguards
Mail Stop T-8A23
Washington DC, 20555-0001

APPENDIX 6

MCGUIRE NUCLEAR SITE EMERGENCY PLAN DISTRIBUTION

(ADDRESSES Continued)

Emergency Management Coordinator
Catawba County Administration Building
100-A South West Boulevard
Post Office Box 389
Newton, NC 28658-0389

Coordinator
Gaston County Department of Emergency Management
Post Office Box 1578
1615 North Highland Street
Gastonia, NC 28052

Coordinator
Iredell County Civil Preparedness Agency
Post Office Box 788
Statesville, NC 28677

Director
Lincoln County Emergency Services
115 W. Main Street
Lincolnton, NC 28092

Director
Mecklenburg Emergency Management
228 East 9th Street
Charlotte, NC 28202-2852

10 CFR 50.54(q) Screening Evaluation Form

Screening and Evaluation Number	Applicable Sites				
EREG #: 1934861	BNP	<input type="checkbox"/>			
	CNS	<input type="checkbox"/>			
	CR3	<input type="checkbox"/>			
	HNP	<input type="checkbox"/>			
5AD #: 1934860	MNS	<input checked="" type="checkbox"/>			
	ONS	<input type="checkbox"/>			
	RNP	<input type="checkbox"/>			
	GO	<input type="checkbox"/>			
Document and Revision MNS EMERGENCY PLAN Section K (RADIOLOGICAL EXPOSURE CONTROL) rev 15-2 July 2015					
<p>Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan):</p> <p>Made the following change to K.5.b, Radiological Decontamination: Replaced "SH/0/B/2001/003, Investigation of Skin and Clothing Contaminations" with "AD-RP-ALL-2009, Personnel Contamination Monitoring and Reporting".</p> <p>This Emergency Plan change DOES NOT impact any planning standard of 10 CFR 50.47(b). This Emergency Plan change DOES NOT impact any emergency planning function as set forth in the elements of Appendix E of 10CFR part 50. Therefore a 50.54(q) effectiveness evaluation is not required.</p>					
<p>Part II. Activity Previously Reviewed?</p> <p>Is this activity Fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report?</p> <p>If yes, identify bounding source document number or approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below:</p> <p>Justification:</p>					
		Yes	<input type="checkbox"/>	No	X
		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification below and complete Attachment 4, Part V.		Continue to Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part III	
Bounding document attached (optional)					<input type="checkbox"/>
Part III. Editorial Change					
		Yes	<input type="checkbox"/>	No	X

10 CFR 50.54(q) Screening Evaluation Form

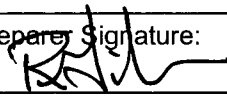
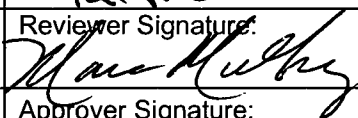
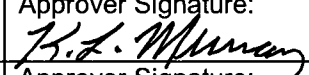
Is this activity an editorial or typographical change only, such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification and complete Attachment 4, Part V & VI.	Continue to Attachment 4, Part IV and address non editorial changes
Justification:			
Part IV. Emergency Planning Element and Function Screen (Reference Attachment 1, Considerations for Addressing Screening Criteria)			
Does this activity involve any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II? If answer is yes, then check box.			
1	10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)		
1a	Responsibility for emergency response is assigned.	<input type="checkbox"/>	
1b	The response organization has the staff to respond and to augment staff on a continuing basis (24-7 staffing) in accordance with the emergency plan.	<input type="checkbox"/>	
2	10 CFR 50.47(b)(2) Onsite Emergency Organization		
2a	Process ensures that onshift emergency response responsibilities are staffed and assigned	<input type="checkbox"/>	
2b	The process for timely augmentation of onshift staff is established and maintained.	<input type="checkbox"/>	
3	10 CFR 50.47(b)(3) Emergency Response Support and Resources		
3a	Arrangements for requesting and using off site assistance have been made.	<input type="checkbox"/>	
3b	State and local staff can be accommodated at the EOF in accordance with the emergency plan. (NA for CR3)	<input type="checkbox"/>	
4	10 CFR 50.47(b)(4) Emergency Classification System		
4a	A standard scheme of emergency classification and action levels is in use. (Requires final approval of Screen and Evaluation by EP CFAM.)	<input type="checkbox"/>	
5	10 CFR 50.47(b)(5) Notification Methods and Procedures		
5a	Procedures for notification of State and local governmental agencies are capable of initiating notification of the declared emergency within 15 minutes (30 minutes for CR3) after declaration of an emergency and providing follow-up notification.	<input type="checkbox"/>	
5b	Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. (NA for CR3)	<input type="checkbox"/>	
5c	The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. (NA for CR3)	<input type="checkbox"/>	

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)		
6	10 CFR 50.47(b)(6) Emergency Communications	
6a	Systems are established for prompt communication among principal emergency response organizations.	<input type="checkbox"/>
6b	Systems are established for prompt communication to emergency response personnel.	<input type="checkbox"/>
7	10 CFR 50.47(b)(7) Public Education and Information	
7a	Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). (NA for CR3)	<input type="checkbox"/>
7b	Coordinated dissemination of public information during emergencies is established.	<input type="checkbox"/>
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	<input type="checkbox"/>
8b	Adequate equipment is maintained to support emergency response.	<input type="checkbox"/>
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	<input type="checkbox"/>
10	10 CFR 50.47(b)(10) Protective Response	
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	<input type="checkbox"/>
10b	Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. (NA for CR3)	<input type="checkbox"/>
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	<input type="checkbox"/>
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	<input type="checkbox"/>
11	10 CFR 50.47(b)(11) Radiological Exposure Control	
11a	The resources for controlling radiological exposures for emergency workers are established.	<input type="checkbox"/>
12	10 CFR 50.47(b)(12) Medical and Public Health Support	
12a	Arrangements are made for medical services for contaminated, injured individuals.	<input type="checkbox"/>
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	<input type="checkbox"/>
14	10 CFR 50.47(b)(14) Drills and Exercises	
14a	A drill and exercise program (including radiological, medical, health physics and other program areas) is established.	<input type="checkbox"/>
14b	Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses.	<input type="checkbox"/>
14c	Identified weaknesses are corrected.	<input type="checkbox"/>
15	10 CFR 50.47(b)(15) Emergency Response Training	
15a	Training is provided to emergency responders.	<input type="checkbox"/>

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)		
16	10 CFR 50.47(b)(16) Emergency Plan Maintenance	
16a	Responsibility for emergency plan development and review is established.	<input type="checkbox"/>
16b	Planners responsible for emergency plan development and maintenance are properly trained.	<input type="checkbox"/>
PART IV. Conclusion		
If no Part IV criteria are checked, a 10 CFR 50.54(q) Effectiveness Evaluation is not required, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V. Go to Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part VI for instructions describing the NRC required 30 day submittal.		X
If any Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV criteria are checked, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V and perform a 10 CFR 50.54(q) Effectiveness Evaluation. Shaded block requires final approval of Screen and Evaluation by EP CFAM.		<input type="checkbox"/>

Part V. Signatures:		
Preparer Name (Print): Randy Gibson	Preparer Signature: 	Date: 7/2/15
Reviewer Name (Print): MARC MURRAY	Reviewer Signature: 	Date: 7/6/15
Approver (EP Manager Name (Print): Kevin L. Murray	Approver Signature: 	Date: 7-8-15
Approver (CFAM, as required) Name (Print): N/A	Approver Signature: N/A	Date: N/A

Part VI. NRC Emergency Plan and Implementing Procedure Submittal Actions
--

Create two EREG General Assignments.	
• One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing.	<input type="checkbox"/>
• One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect.	<input type="checkbox"/>

QA RECORD

10 CFR 50.54(q) Screening Evaluation Form

Screening and Evaluation Number	Applicable Sites							
EREG #: 1934878	BNP	<input type="checkbox"/>						
	CNS	<input type="checkbox"/>						
	CR3	<input type="checkbox"/>						
	HNP	<input type="checkbox"/>						
5AD #: 1934880	MNS	x						
	ONS	<input type="checkbox"/>						
	RNP	<input type="checkbox"/>						
	GO	<input type="checkbox"/>						
Document and Revision MNS EMERGENCY PLAN Section Q (APPENDIX) rev 15-2 July 2015								
Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan): Made the following change to Appendix 5: Removed the agreement letters from the Emergency Plan. These letters of agreement will be stored in FUSION. A description of each letter of agreement was added. This Emergency Plan change DOES NOT impact any planning standard of 10 CFR 50.47(b). This Emergency Plan change DOES NOT impact any emergency planning function as set forth in the elements of Appendix E of 10CFR part 50. Therefore a 50.54(q) effectiveness evaluation is not required.								
Part II. Activity Previously Reviewed?								
Is this activity Fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report?		Yes	<input type="checkbox"/>	No	X			
If yes, identify bounding source document number or approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below: Justification:		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification below and complete Attachment 4, Part V.		Continue to Attachment 4 , 10 CFR 50.54(q) Screening Evaluation Form, Part III				
Bounding document attached (optional)					<input type="checkbox"/>			
Part III. Editorial Change					Yes	<input type="checkbox"/>	No	X

10 CFR 50.54(q) Screening Evaluation Form

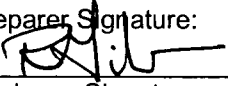
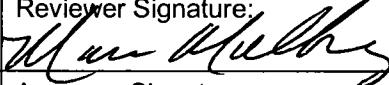

Is this activity an editorial or typographical change only, such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification and complete Attachment 4, Part V & VI.	Continue to Attachment 4, Part IV and address non editorial changes
Justification:			
Part IV. Emergency Planning Element and Function Screen (Reference Attachment 1, Considerations for Addressing Screening Criteria)			
Does this activity involve any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II? If answer is yes, then check box.			
1	10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)		
1a	Responsibility for emergency response is assigned.	<input type="checkbox"/>	
1b	The response organization has the staff to respond and to augment staff on a continuing basis (24-7 staffing) in accordance with the emergency plan.	<input type="checkbox"/>	
2	10 CFR 50.47(b)(2) Onsite Emergency Organization		
2a	Process ensures that onshift emergency response responsibilities are staffed and assigned	<input type="checkbox"/>	
2b	The process for timely augmentation of onshift staff is established and maintained.	<input type="checkbox"/>	
3	10 CFR 50.47(b)(3) Emergency Response Support and Resources		
3a	Arrangements for requesting and using off site assistance have been made.	<input type="checkbox"/>	
3b	State and local staff can be accommodated at the EOF in accordance with the emergency plan. (NA for CR3)	<input type="checkbox"/>	
4	10 CFR 50.47(b)(4) Emergency Classification System		
4a	A standard scheme of emergency classification and action levels is in use. (Requires final approval of Screen and Evaluation by EP CFAM.)	<input type="checkbox"/>	
5	10 CFR 50.47(b)(5) Notification Methods and Procedures		
5a	Procedures for notification of State and local governmental agencies are capable of initiating notification of the declared emergency within 15 minutes (30 minutes for CR3) after declaration of an emergency and providing follow-up notification.	<input type="checkbox"/>	
5b	Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. (NA for CR3)	<input type="checkbox"/>	
5c	The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. (NA for CR3)	<input type="checkbox"/>	

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)		
6	10 CFR 50.47(b)(6) Emergency Communications	
6a	Systems are established for prompt communication among principal emergency response organizations.	<input type="checkbox"/>
6b	Systems are established for prompt communication to emergency response personnel.	<input type="checkbox"/>
7	10 CFR 50.47(b)(7) Public Education and Information	
7a	Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). (NA for CR3)	<input type="checkbox"/>
7b	Coordinated dissemination of public information during emergencies is established.	<input type="checkbox"/>
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	<input type="checkbox"/>
8b	Adequate equipment is maintained to support emergency response.	<input type="checkbox"/>
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	<input type="checkbox"/>
10	10 CFR 50.47(b)(10) Protective Response	
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	<input type="checkbox"/>
10b	Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. (NA for CR3)	<input type="checkbox"/>
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	<input type="checkbox"/>
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	<input type="checkbox"/>
11	10 CFR 50.47(b)(11) Radiological Exposure Control	
11a	The resources for controlling radiological exposures for emergency workers are established.	<input type="checkbox"/>
12	10 CFR 50.47(b)(12) Medical and Public Health Support	
12a	Arrangements are made for medical services for contaminated, injured individuals.	<input type="checkbox"/>
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	<input type="checkbox"/>
14	10 CFR 50.47(b)(14) Drills and Exercises	
14a	A drill and exercise program (including radiological, medical, health physics and other program areas) is established.	<input type="checkbox"/>
14b	Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses.	<input type="checkbox"/>
14c	Identified weaknesses are corrected.	<input type="checkbox"/>
15	10 CFR 50.47(b)(15) Emergency Response Training	
15a	Training is provided to emergency responders.	<input type="checkbox"/>

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)		
16	10 CFR 50.47(b)(16) Emergency Plan Maintenance	
16a	Responsibility for emergency plan development and review is established.	<input type="checkbox"/>
16b	Planners responsible for emergency plan development and maintenance are properly trained.	<input type="checkbox"/>
PART IV. Conclusion		
If no Part IV criteria are checked, a 10 CFR 50.54(q) Effectiveness Evaluation is not required, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V. Go to Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part VI for instructions describing the NRC required 30 day submittal.		X
If any Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV criteria are checked, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V and perform a 10 CFR 50.54(q) Effectiveness Evaluation. Shaded block requires final approval of Screen and Evaluation by EP CFAM.		<input type="checkbox"/>

Part V. Signatures:		
Preparer Name (Print): Randy Gibson	Preparer Signature: 	Date: 7/2/15
Reviewer Name (Print): MARC MULKEY	Reviewer Signature: 	Date: 7/6/15
Approver (EP Manager Name (Print): Kevin L. Murray	Approver Signature: 	Date: 7-8-15
Approver (CFAM, as required) Name (Print): N/A	Approver Signature: N/A	Date: N/A

Part VI. NRC Emergency Plan and Implementing Procedure Submittal Actions
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Create two EREG General Assignments.	
• One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing.	<input type="checkbox"/>
• One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect.	<input type="checkbox"/>

QA RECORD

10 CFR 50.54(q) Screening Evaluation Form

Screening and Evaluation Number		Applicable Sites			
EREG #: _____ N/A _____	BNP				<input type="checkbox"/>
	CNS				<input type="checkbox"/>
	CR3				<input type="checkbox"/>
	HNP				<input type="checkbox"/>
5AD #: _____ N/A _____	MNS				<input checked="" type="checkbox"/>
	ONS				<input type="checkbox"/>
	RNP				<input type="checkbox"/>
	GO				<input type="checkbox"/>
Document and Revision					
Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan): A typographical error was removed from the header on Section Q Appendices 2,3,4,5,& 6 of the McGuire Emergency Plan.					
Part II. Activity Previously Reviewed? Is this activity Fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report? If yes, identify bounding source document number or approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below: Justification:					
		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
		10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification below and complete Attachment 4, Part V.		Continue to Attachment 4 , 10 CFR 50.54(q) Screening Evaluation Form, Part III	
Bounding document attached (optional)					<input type="checkbox"/>
Part III. Editorial Change		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

10 CFR 50.54(q) Screening Evaluation Form

<p>Is this activity an editorial or typographical change only, such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?</p> <p>Justification: This activity is a typographical change to the headers in the referenced appendices. (yes)</p>	<p>10 CFR 50.54(q) Effectiveness Evaluation is not required. Enter justification and complete Attachment 4, Part V & VI.</p>	<p>Continue to Attachment 4, Part IV and address non editorial changes</p>
<p>Part IV. Emergency Planning Element and Function Screen (Reference Attachment 1, Considerations for Addressing Screening Criteria)</p>		
<p>Does this activity involve any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II? If answer is yes, then check box.</p>		
1	<p>10 CFR 50.47(b)(1) Assignment of Responsibility (Organization Control)</p>	
1a	<p>Responsibility for emergency response is assigned.</p>	<input type="checkbox"/>
1b	<p>The response organization has the staff to respond and to augment staff on a continuing basis (24-7 staffing) in accordance with the emergency plan.</p>	<input type="checkbox"/>
2	<p>10 CFR 50.47(b)(2) Onsite Emergency Organization</p>	
2a	<p>Process ensures that onshift emergency response responsibilities are staffed and assigned</p>	<input type="checkbox"/>
2b	<p>The process for timely augmentation of onshift staff is established and maintained.</p>	<input type="checkbox"/>
3	<p>10 CFR 50.47(b)(3) Emergency Response Support and Resources</p>	
3a	<p>Arrangements for requesting and using off site assistance have been made.</p>	<input type="checkbox"/>
3b	<p>State and local staff can be accommodated at the EOF in accordance with the emergency plan. (NA for CR3)</p>	<input type="checkbox"/>
4	<p>10 CFR 50.47(b)(4) Emergency Classification System</p>	
4a	<p>A standard scheme of emergency classification and action levels is in use. (Requires final approval of Screen and Evaluation by EP CFAM.)</p>	<input type="checkbox"/>
5	<p>10 CFR 50.47(b)(5) Notification Methods and Procedures</p>	
5a	<p>Procedures for notification of State and local governmental agencies are capable of initiating notification of the declared emergency within 15 minutes (30 minutes for CR3) after declaration of an emergency and providing follow-up notification.</p>	<input type="checkbox"/>
5b	<p>Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. (NA for CR3)</p>	<input type="checkbox"/>
5c	<p>The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. (NA for CR3)</p>	<input type="checkbox"/>

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)		
6	10 CFR 50.47(b)(6) Emergency Communications	
6a	Systems are established for prompt communication among principal emergency response organizations.	<input type="checkbox"/>
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7	10 CFR 50.47(b)(7) Public Education and Information	
7a	Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). (NA for CR3)	<input type="checkbox"/>
7b	Coordinated dissemination of public information during emergencies is established.	<input type="checkbox"/>
8	10 CFR 50.47(b)(8) Emergency Facilities and Equipment	
8a	Adequate facilities are maintained to support emergency response.	<input type="checkbox"/>
8b	Adequate equipment is maintained to support emergency response.	<input type="checkbox"/>
9	10 CFR 50.47(b)(9) Accident Assessment	
9a	Methods, systems, and equipment for assessment of radioactive releases are in use.	<input type="checkbox"/>
10	10 CFR 50.47(b)(10) Protective Response	
10a	A range of public PARs is available for implementation during emergencies. (NA for CR3)	<input type="checkbox"/>
10b	Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. (NA for CR3)	<input type="checkbox"/>
10c	A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.	<input type="checkbox"/>
10d	KI is available for implementation as a protective action recommendation in those jurisdictions that chose to provide KI to the public.	<input type="checkbox"/>
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12a	Arrangements are made for medical services for contaminated, injured individuals.	<input type="checkbox"/>
13	10 CFR 50.47(b)(13) Recovery Planning and Post-accident Operations	
13a	Plans for recovery and reentry are developed.	<input type="checkbox"/>
14	10 CFR 50.47(b)(14) Drills and Exercises	
14a	A drill and exercise program (including radiological, medical, health physics and other program areas) is established.	<input type="checkbox"/>
14b	Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses.	<input type="checkbox"/>
14c	Identified weaknesses are corrected.	<input type="checkbox"/>
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15a	Training is provided to emergency responders.	<input type="checkbox"/>

10 CFR 50.54(q) Screening Evaluation Form

Part IV. Emergency Planning Element and Function Screen (cont.)	
16	10 CFR 50.47(b)(16) Emergency Plan Maintenance
16a	Responsibility for emergency plan development and review is established. <input type="checkbox"/>
16b	Planners responsible for emergency plan development and maintenance are properly trained. <input type="checkbox"/>
PART IV. Conclusion	
If no Part IV criteria are checked, a 10 CFR 50.54(q) Effectiveness Evaluation is not required, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V. Go to Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part VI for instructions describing the NRC required 30 day submittal. <input checked="" type="checkbox"/>	
If any Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part IV criteria are checked, then complete Attachment 4, 10 CFR 50.54(q) Screening Evaluation Form, Part V and perform a 10 CFR 50.54(q) Effectiveness Evaluation. Shaded block requires final approval of Screen and Evaluation by EP CFAM. <input type="checkbox"/>	

Part V. Signatures:		
Preparer Name (Print): MARC MULKEY	Preparer Signature: <i>Marc Mulkey</i>	Date: 7/9/15
Reviewer Name (Print): Renard O. Burris	Reviewer Signature: <i>Renard O. Burris</i>	Date: 7/9/15
Approver (EP Manager Name (Print): Kevin L. Murray	Approver Signature: <i>Kevin L. Murray</i>	Date: 7-9-15
Approver (CFAM, as required) Name (Print): N/A	Approver Signature: N/A	Date: N/A

Part VI. NRC Emergency Plan and Implementing Procedure Submittal Actions
--

Create two EREG General Assignments.	<input type="checkbox"/>
• One for EP to provide the 10 CFR 50.54(q) summary of the analysis, or the completed 10 CFR 50.54(q), to Licensing.	<input type="checkbox"/>
• One for Licensing to submit the 10 CFR 50.54(q) information to the NRC within 30 days after the change is put in effect.	<input type="checkbox"/>

QA RECORD