

<div>Duke Energy McGuire Nuclear Station</div> <div><b>CONDUCTING A SITE ASSEMBLY, SITE EVACUATION OR CONTAINMENT EVACUATION</b></div> <div><b>Reference Use</b></div>	Procedure No. RP/ <b>0</b> /A/5700/011
	Revision No. 024
	Electronic Reference No. MC0048ME

Revision History (significant issues, limited to one page)

Rev 024 (11/20/2019) AR 02300755, removed requirement to perform Site Assembly at an Alert, Steps 1.2 and 2.3 affected.

Rev 023 (06/19/2019) 3 ARs were incorporated in this revision:

AR 02239337, (Lead PRR) In Enclosure 4.1, in Attachment 2 (Site Assembly Locations Inside Protected Area) table, deleted M5, Security Office Area, 2672

AR 02270281, In Main Body, Step 2.4, 5th bulleted item, "Spent Fuel Damage" added prepositional phrase "inside Containment Building"

AR 02276020, In Enclosure 4.1, the following changes were made:

- in Step 1.2.3 "Complete Attachment 1 (Site Assembly Message) added prepositional phrase at end of sentence "except for start time."
- Moved "Note: Site Assembly Start Time is the time that site assembly alarm was activated." located above Step 1.2.3 to new position above new Step 1.2.6
- Added new Step 1.2.6 "Record Site Assembly Start Time on Attachment 1 (Site Assembly Message)."

Rev 022 Included in this revision:

- AR02219210 Removed old (to be deleted) phone numbers 704-382-6836 and 704-382-6838 and replaced them with new 800-820-9364 phone number. Only Attachment 4.3 NOTE prior to Step 1.8 was affected.

## CONDUCTING A SITE ASSEMBLY, SITE EVACUATION OR CONTAINMENT EVACUATION

### 1. Symptoms

- 1.1 A security event which prompts response by the Security Force, immediate action by plant personnel, and/or assistance from offsite agencies is required to apprehend intruders, mitigate event or prevent radiological sabotage.
- 1.2 Site Assembly warrants accountability of all personnel on site:
- Site Area Emergency or General Emergency
  - Emergency Coordinator Judgment

<p><b>NOTE:</b></p> <ul style="list-style-type: none"><li>• Non-essential personnel may be evacuated from plant site during Site Area Emergency.</li><li>• Non-essential personnel shall be evacuated from plant site during General Emergency.</li></ul>
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- 1.3 Site Evacuation warrants evacuation of non-essential personnel:
- Visitors without site contacts along discharge canal, Nature Trail and beach
  - Site Area Emergency
  - General Emergency
  - Emergency Coordinator Judgment
- 1.4 Containment Evacuation warrants evacuation of personnel from the containment and annulus:
- Unit 1 (2) EMF-39L Trip 2
  - Refueling Bridge Radiation Monitor Alarm 1EMF-16 or 2EMF-3 (Auto)
  - Hi Flux At Shutdown Alarm from source range detectors (Auto)
  - Loss of ND
  - Spent Fuel Damage
  - Hi flux at shutdown alarm on either WR neutron flux detector
  - Emergency Coordinator Judgment

## 2. Immediate Actions

- \_\_\_\_\_ 2.1 **IF** a Site Assembly has been performed **AND** TSC being activated, **GO TO** Section 3 (Subsequent Actions).
- \_\_\_\_\_ 2.2 **IF** Emergency Coordinator requires a site assembly, perform Enclosure 4.1 (Site Assembly).
- \_\_\_\_\_ 2.3 **IF** any of the following have been declared, perform Enclosure 4.1 (Site Assembly).
- ☐ Site Area Emergency
  - ☐ General Emergency
- \_\_\_\_\_ 2.4 **IF AT ANY TIME** any of the following conditions exist, perform Enclosure 4.5 (Containment Evacuation).
- SRO
- ☐ Unit 1(2) EMF-39L Trip 2
  - ☐ Refueling Bridge Radiation Monitor Alarm 1EMF-16 or 2EMF-3 (Auto)
  - ☐ Hi Flux At Shutdown Alarm from source range detectors (Auto)
  - ☐ Loss of ND
  - ☐ Spent Fuel Damage inside Containment Building
  - ☐ Hi flux at shutdown alarm on either WR neutron flux detector
  - ☐ Emergency Coordinator Judgment

## 3. Subsequent Actions

- 3.1 Perform the following enclosure(s) as required:
- ☐ Enclosure 4.2 (Site Evacuation)
  - ☐ Enclosure 4.3 (Relocation)
  - ☐ Enclosure 4.4 (Follow Up Messages)
  - ☐ Enclosure 4.6 (Essential Personnel List)

#### **4. Enclosures**

- 4.1 Site Assembly
- 4.2 Site Evacuation
- 4.3 Relocation
- 4.4 Follow Up Messages
- 4.5 Containment Evacuation
- 4.6 Essential Personnel List
- 4.7 Security Event

## 1. Site Assembly

1.1 Perform the following Section(s) as applicable:

- ☐ Section 1.2 (Performing a Site Assembly)
- ☐ Section 1.3 (Securing From Site Assembly)

**NOTE:**

- All personnel inside the protected area are to be accounted for within 30 minutes of the initiation of Site Assembly and continuously until released or until instructed to relocate or evacuate.
- All personnel outside the protected area and within the owner controlled area shall report to their site assembly point and their supervision/designee within 30 minutes of the initiation of Site Assembly and continuously until released or until instructed to relocate or evacuate. [NCR01576898]
- Plant page is performed by dialing 710, then dialing 80 and making announcement following beep.
- RP/0/B/5700/032 (Loss of Normal Communication Systems) provides backup communication methods in the event of a loss of Public Address System.

1.2 Performing a Site Assembly

\_\_\_\_\_ 1.2.1 **IF** security event, **GO TO** Enclosure 4.7 (Security Event).

1.2.2 Perform the following:

\_\_\_\_\_ 1.2.2.1 Notify Security that a Site Assembly is being initiated. (2688 **OR** 4900)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified      Date      Time

☐ 1.2.2.2 Have security check Emergency Accountability System is functioning.

\_\_\_\_\_ 1.2.2.3 **IF AT ANY TIME** Emergency Accountability System failure, make the following announcement via plant page:

"Attention plant personnel, The card reader system is **NOT** functioning. Site Assembly Point Leaders are responsible for accounting for all personnel at their respective Site Assembly Point and calling in a report to Security at extension 2688 or 4900 within 15 minutes of assembly start time."

"Attention plant personnel, The card reader system is **NOT** functioning. Site Assembly Point Leaders are responsible for accounting for all personnel at their respective Site Assembly Point and calling in a report to Security at extension 2688 or 4900 within 15 minutes of assembly start time."

\_\_\_\_\_ 1.2.3 Complete Attachment 1 (Site Assembly Message) except for start time.

\_\_\_\_\_ 1.2.4 Turn on outside speakers. (4262)  
RO

\_\_\_\_\_ 1.2.5 Perform a 10 second activation of the Site Assembly Alarm. (4262)  
RO

<b>NOTE:</b> Site Assembly Start Time is the time that site assembly alarm was activated.
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☐ 1.2.6 Record Site Assembly Start Time on Attachment 1 (Site Assembly Message).

\_\_\_\_\_ 1.2.7 Announce message from Attachment 1 (Site Assembly Message) via plant page.

\_\_\_\_\_ 1.2.8 Perform a 10 second activation of the Site Assembly Alarm. (4262)  
RO

\_\_\_\_\_ 1.2.9 Announce message from Attachment 1 (Site Assembly Message) via plant page.

\_\_\_\_\_ 1.2.10 Notify Security to perform a sweep of discharge canal, nature trail, and beach to evacuate visitors from the owner controlled area. (2688 **OR** 4900)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified      Date      Time

**NOTE:** Control Room should have names of dispatched personnel.

\_\_\_\_\_ 1.2.11 **IF** any of the following dispatched, obtain a list of names from Control Room of dispatched personnel: (4262)

- Fire Brigade
  - Hazmat Team
  - OPS team
  - Maintenance
  - Chemistry
  - Radiation Protection
- 
- 

\_\_\_\_\_ 1.2.11.1 Provide these names to Security. (2688 or 4900)

\_\_\_\_\_ 1.2.12 **WHEN** 10 minutes have elapsed since assembly start time recorded in Attachment 1, perform the following:

\_\_\_\_\_ 1.2.12.1 Perform a 10 second activation of the Site Assembly Alarm.  
RO (4262)

\_\_\_\_\_ 1.2.12.2 Announce message from Attachment 1 (Site Assembly Message) via plant page.

\_\_\_\_\_ 1.2.13 **WHEN** 15 minutes have elapsed since assembly start time recorded in Attachment 1, perform the following:

\_\_\_\_\_ 1.2.13.1 Request a printout from Security of unaccounted personnel.  
(2688 or 4900)

**NOTE:** Management in the protected area assembly points should provide within 15 minutes names of personnel who could not swipe. [NCR01611383]

\_\_\_\_\_ 1.2.13.2 Have Security update printout for any personnel who could **NOT** swipe based on updated reports. (2688 or 4900)

## Site Assembly

Page 4 of 8

- NOTE:** Steps in Section 1.2.16 are to be performed concurrently with the remaining steps of this Enclosure.

- \_\_\_\_\_ 1.2.16 **IF** any unaccounted personnel, perform the following:
- \_\_\_\_\_ 1.2.16.1 **IF** Emergency Coordinator requests continuing sounding Site Assembly Alarms, have the Control Room repeat the following steps every 10 minutes until all personnel have been located **OR** Emergency Coordinator authorizes stopping alarms: (4262)
- \_\_\_\_\_ A. Perform a 10 second activation of the Site Assembly Alarm.
- \_\_\_\_\_ B. Announce message from Attachment 1 (Site Assembly Message) via plant page.

\_\_\_\_\_ 1.2.16.2 Notify Security to perform the following: (2688 **OR** 4900)

- ☐ A. Call **OR** visit each Site Assembly Location Inside Protected Area.
- ☐ B. Request the names of unaccounted personnel be read aloud for each area. [NCR01651848]
- ☐ C. Have located personnel swipe their badges again at their assembly points.
- ☐ D. Search for any unaccounted personnel.
- ☐ E. Provide an update every 10 minutes.

\_\_\_\_\_ / \_\_\_\_\_  
Person Notified                      Date    Time

- ☐ F. Report to Control Room when unaccounted personnel have been located.

\_\_\_\_\_ 1.2.16.3 **WHEN** all unaccounted personnel have been located, perform the following:

- ☐ A. Record time \_\_\_\_\_ Time
- ☐ B. Inform Emergency Coordinator unaccounted personnel have been located.
- ☐ C. Inform Security of the following: (2688 **OR** 4900)
  - Unaccounted personnel have been located.
  - Secure from searching.
  - Secure from providing 10 minute notifications.

\_\_\_\_\_ 1.2.16.4 Attach all printouts to this enclosure.

\_\_\_\_\_ 1.2.17 **WHEN** site assembly announcements are complete, turn off outside speakers.  
RO (4262)

## 1.3 Securing From Site Assembly

- NOTE:**
- Plant page is performed by dialing 710, then dialing 80 and making announcement following beep.
  - If non-essential personnel are relocated or evacuated, securing from a site assembly is not required.

\_\_\_\_ 1.3.1 Turn on outside speakers. (4262)

RO

\_\_\_\_ 1.3.2 **IF** any messages provided from Emergency Coordinator, announce via plant page.

\_\_\_\_ 1.3.3 Announce the following via plant page:

"This is a message from the Emergency Coordinator. Secure from Site Assembly. Secure from Site Assembly. You may now return to your normal work assignments. Thank you for your participation."

\_\_\_\_ 1.3.4 **IF** any messages provided from Emergency Coordinator, announce via plant page.

\_\_\_\_ 1.3.5 Announce the following via plant page:

"This is a message from the Emergency Coordinator. Secure from Site Assembly. Secure from Site Assembly. You may now return to your normal work assignments. Thank you for your participation."

\_\_\_\_ 1.3.6 Turn off outside speakers. (4262)

RO

**Attachment 1****2. Site Assembly Message**

- \_\_\_\_\_ 2.1 **IF** plant conditions prohibit access to any assembly points, include in Site Assembly Message for personnel to avoid affected area(s) and assemble at an alternate assembly point. {NCR01635793, C.A.59}
- \_\_\_\_\_ 2.2 **IF** Drill, start and end Site Assembly Message with "This is a Drill". [NCR01651774]
- \_\_\_\_\_ 2.3 Provide a brief description/reason for assembly/special instructions.
- \_\_\_\_\_ 2.4 **IF** changes to message are required, create a new copy, attach old copy to enclosure **AND** enter original start time.

**Message**

"This is a Site Assembly. This is a Site Assembly.

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All personnel are to report immediately to a site assembly point.

All personnel are to report immediately to a site assembly point.

IF you do not know the location of an assembly point inside the protected area, report to the COW (Canteen Office Warehouse).

IF you do not know the location of an assembly point outside the protected area, report to the auditorium in Building 7422 (McGuire Office Complex (MOC)) or lobby of Building 7403, (Technical Training Center (TTC)).

**Site Assembly Start Time** \_\_\_\_\_ {NCR01635793, C.A.54}

All personnel are to remain at their site assembly point.

All personnel are to remain at their site assembly point.

This is a Site Assembly. This is a Site Assembly."

## Attachment 2

## Site Assembly Locations Inside Protected Area

Site Assembly Point	Location	Phone	Unaccounted Personnel Checked	Number of Personnel
M1	OPS Office Area WCC	4276		
M2	Room 321 Service Bldg.	2039		
M3	Office Shop 104A	3328		
M4	I&E Shop	2609		
M6	RP Lab	2129		
M7	Cafeteria	2832		
M8	Contract Service Bldg.	4011		
M9	Warehouse #1	2890		
M10	Office Shop 228	4994		
M11	Office Shop 320	3383		
M12	OSC	5283		
M13	TSC	4977		
M14	Control Room	NA		
M15	Change Room	2290		
M16	North Admin Bldg.	4544		
M17	Mech/IAE SPOC Office	2899		

## 1. Site Evacuation

- NOTE:**
- Evacuation means personnel will be released from work duties and will exit the plant. Enclosure 4.2 (Site Evacuation) provides these directions.
  - Relocation means personnel will be located in an area controlled by Duke Energy. Enclosure 4.3 (Relocation) provides these directions.
  - Enclosure 4.2 (Site Evacuation) and Enclosure 4.3 (Relocation) may both be used concurrently.
  - Steps 1.1 - 1.9 may be performed in any order and concurrently.

- \_\_\_\_\_ 1.1 Ensure Enclosure 4.6 (Essential Personnel List) completed. [NCR01651833]
- \_\_\_\_\_ 1.2 Attach a copy of Essential Personnel List to this enclosure.
- \_\_\_\_\_ 1.3 Call each area per Attachment 2 (Site Assembly Locations Outside Protected Area).
- \_\_\_\_\_ 1.4 Record total number of personnel from Attachment 2 (Site Assembly Locations Outside Protected Area).
- \_\_\_\_\_ 1.5 Notify Emergency Coordinator of total number of personnel Site Assembly Locations Outside Protected Area.
- \_\_\_\_\_ 1.6 **IF** personnel, vehicles or equipment requires decontamination, have Radiation Protection determine an off-site location where decontamination may be performed.
- \_\_\_\_\_ 1.7 Consult with Radiation Protection concerning any special conditions for determining routes.
- \_\_\_\_\_ 1.8 Determine evacuation routes(s) using site maps, local maps, current meteorological data, and current radiological data.

\_\_\_\_\_ 1.9 **IF** required to remove barriers from road across SNSWP Dam for access to Hwy 73, perform the following:

- ☐ 1.9.1 Have Site Services use forklift or other necessary equipment to remove barriers.
- ☐ 1.9.2 Have security unlock **AND** open gate.

\_\_\_\_\_ 1.10 Complete Attachment 1 (Site Evacuation Message) except for start time.

\_\_\_\_\_ 1.11 Notify Security of the following: (2688 **OR** 4900)

- ☐ 1.11.1 Site Evacuation is being initiated.
- ☐ 1.11.2 Perform a sweep of discharge canal, nature trail, and beach to evacuate visitors from the owner controlled area.
- ☐ 1.11.3 Direct traffic and restrict vehicle movement on site. [NCR01704251]
- ☐ 1.11.4 Call Mecklenburg police to assist with traffic control.

\_\_\_\_\_ / \_\_\_\_\_  
 Person Notified      Date      Time

\_\_\_\_\_ 1.12 Turn on outside speakers. (4262)

RO

\_\_\_\_\_ 1.13 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

<b>NOTE:</b> Site Evacuation Start Time is the time that site evacuation alarm was activated.
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\_\_\_\_\_ 1.14 Record Site Evacuation Start Time on Attachment 1 (Site Evacuation Message).

<b>NOTE:</b> Plant page is performed by dialing 710, then dialing 80 and making announcement following beep.
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\_\_\_\_\_ 1.15 Announce message from Attachment 1 (Site Evacuation Message) via plant page.

\_\_\_\_\_ 1.16 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.17 Announce message from Attachment 1 (Site Evacuation Message) via plant page.

\_\_\_\_\_ 1.18 Notify EOF Director of the Site Evacuation plans. (9-704-382-0760)

\_\_\_\_\_  
Person Notified \_\_\_\_\_ / \_\_\_\_\_  
Date Time

\_\_\_\_\_ 1.19 Notify JIC of the Site Evacuation plans. (9-704-382-0610)

\_\_\_\_\_  
Person Notified \_\_\_\_\_ / \_\_\_\_\_  
Date Time

\_\_\_\_\_ 1.20 **WHEN** 10 minutes have elapsed since evacuation start time, perform the following:

\_\_\_\_\_ 1.20.1 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.20.2 Announce message from Attachment 1 (Site Evacuation Message) via plant page.

\_\_\_\_\_ 1.21 **WHEN** 20 minutes have elapsed since evacuation start time, perform the following:

\_\_\_\_\_ 1.21.1 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.21.2 Announce message from Attachment 1 (Site Evacuation Message) via plant page.

\_\_\_\_\_ 1.21.3 Request a printout from Security of personnel within protected area. (2688 **OR** 4900)

\_\_\_\_\_ 1.22 **WHEN** Security provides a printout of personnel within protected area, perform the following:

\_\_\_\_\_ 1.22.1 Compare printout with the Essential Personnel Checklists.

\_\_\_\_\_ 1.22.2 **IF** there are no discrepancies, inform Emergency Coordinator that Site Evacuation inside protected area is complete.

\_\_\_\_\_ 1.22.3 **IF** personnel at locations on Attachment 2 have evacuated the site, inform Emergency Coordinator that Site Evacuation outside protected area is complete.

\_\_\_\_\_ 1.22.4 **WHEN** both inside and outside evacuations are complete, record Site Evacuation completion time: \_\_\_\_\_ Time

\_\_\_\_\_ 1.22.5 **IF** any discrepancies, perform the following:

\_\_\_\_\_ 1.22.5.1 **IF** Emergency Coordinator requests continuing sounding Site Evacuation Alarms, have the Control Room repeat the following steps every 10 minutes until all personnel have been located **OR** Emergency Coordinator authorizes stopping alarms: (4262)

\_\_\_\_\_ A. Perform a 10 second activation of the Site Evacuation Alarm.

RO

\_\_\_\_\_ B. Announce message from Attachment 1 (Site Evacuation Message) via plant page.

\_\_\_\_\_ 1.22.5.2 Request Security to perform the following: (2688 **OR** 4900)

☐ A. Search for any non essential personnel.

☐ B. Provide an update every 10 minutes until all non essential personnel have been evacuated from inside protected area.

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

\_\_\_\_\_ 1.23 **WHEN** Site Evacuation announcements are complete, turn off outside speakers.

RO

\_\_\_\_\_ 1.24 **WHEN** Site Evacuation is complete, perform the following:  
[NCR01586267 & NCR01600692]

\_\_\_\_\_ 1.24.1 Notify Emergency Coordinator that Site Evacuation is complete.

\_\_\_\_\_ 1.24.2 Notify EOF Director that Site Evacuation is complete. (9-704-382-0760)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

\_\_\_\_\_ 1.24.3 Notify JIC that Site Evacuation is complete. (9-704-382-0610)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

**Enclosure 4.2**  
**Site Evacuation**  
**Attachment 1**

RP/0/A/5700/011  
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**2. Site Evacuation Message**

- \_\_\_\_\_ 2.1    **IF** Drill, start and end Site Evacuation Message with "This is a Drill". [NCR01651774]
- \_\_\_\_\_ 2.2    Provide a brief description/reason for evacuation/special instructions.
- \_\_\_\_\_ 2.3    **IF** changes to message are required, create a new copy, attach old copy to enclosure  
**AND** enter original start time.

\_\_\_\_\_  
\_\_\_\_\_  
This is a Site Evacuation. This is a Site Evacuation. All non-essential personnel please  
safely and orderly exit the plant and travel away from the plant.

\_\_\_\_\_  
\_\_\_\_\_  
Please follow this route:

\_\_\_\_\_  
\_\_\_\_\_  
This is a Site Evacuation. This is a Site Evacuation.

Approved: \_\_\_\_\_  
Emergency Coordinator Date/Time

Site Evacuation Time: \_\_\_\_\_

## Attachment 2

## Site Assembly Locations Outside Protected Area

Site Assembly Point	Location	Phone	Number of Personnel	Number of Essential Personnel
M18	Bldg. 7414, Explorium	5600		
M19	Bldg. 7412, Boat Garage	3610		
M20	Bldg. 7408, McGuire Technical Services	5478		
M21	Bldg. 7405, Environmental Center	3904		
M22	Bldg. 7403, TTC	5359		
M23	Bldgs. 7419 & 7420 MTF and Shops	3981		
M24	Bldg. 7422, McGuire Office Shop Complex (MOC)	3203		
M25	Bldg. 7430, Communications Bldg.	5997		
M26	Bldg. 7432, Medical Facility	3194		
M27	Bldg. 7438, Admin Bldg.	2144		
M28	Bldg. 7496, Garage	5617		
M29	Switchyard	5680		
M30	Firing Range Training Rm #2	6735		
M31	Conventional Hydro Office (Building. 8701)	704-812-1143		
M32	Cowans Ford Dam	704-812-1107 704-812-1104		
		<b>TOTAL</b>		

## 1. Relocation

- NOTE:**
- Evacuation means personnel will be released from work duties and will exit the plant. Enclosure 4.2 (Site Evacuation) provides these directions.
  - Relocation means personnel will be located in an area controlled by Duke Energy. Enclosure 4.3 (Relocation) provides these directions.
  - Enclosure 4.2 (Site Evacuation) and Enclosure 4.3 (Relocation) may both be used concurrently.
  - Steps 1.1 - 1.14 may be performed in any order and concurrently.

\_\_\_\_\_ 1.1 Ensure Enclosure 4.6 (Essential Personnel List) has been completed.

\_\_\_\_\_ 1.2 Attach a copy of Essential Personnel List to this enclosure.

\_\_\_\_\_ 1.3 Call each area per Attachment 2 (Site Assembly Locations Outside Protected Area).

\_\_\_\_\_ 1.4 Record total number of personnel from Attachment 2 (Site Assembly Locations Outside Protected Area).

\_\_\_\_\_ 1.5 Notify Emergency Coordinator of total number of personnel Site Assembly Locations Outside Protected Area.

**NOTE:** Site Services may have to obtain buses for transportation to relocation areas.

\_\_\_\_\_ 1.6 **IF** personnel, vehicles or equipment requires decontamination, have Radiation Protection determine a location where decontamination may be performed.

\_\_\_\_\_ 1.7 Consult with Radiation Protection concerning any special conditions for determining routes.

**NOTE:** Possible Relocation Areas per Attachment 5:

- TTC (Bldg 7403) (Security may need to open gate)
- Cowans Ford Dam Service Bay (9-704-812-1104 or Regulated Renewable Operations Center (RROC) 800-820-9364 (Gates may need to be unlocked)
- McGuire Office Complex (MOC) Auditorium (Bldg.7422) (5317 or 3203)
- Mt. Holly Training Center (9-704-829-2914 or 9-704-829-2912) (Keypad #s; Gate - 911#, Bldg 0967 - 315#, Bldg 0965 - 351 and Bldg 0957# - 4232#

\_\_\_\_\_ 1.8 Determine relocation area(s).

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\_\_\_\_\_ 1.9 Determine relocation routes(s) using site maps, local maps, current meteorological data, and current radiological data.

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\_\_\_\_\_ 1.10 **IF** required to remove barriers from road across SNSWP Dam for access to Hwy 73, perform the following:

☐ 1.10.1 Have Site Services use forklift or other necessary equipment to remove barriers.

☐ 1.10.2 Have security to unlock **AND** open gate.

\_\_\_\_\_ 1.11 Complete Attachment 1 (Relocation Message) except for start time.

**Relocation**

1.12 Designate Relocation Coordinators as required:

Name	Phone Number	Beeper Number

1.13 Provide a copy of Attachment 3 (Relocation Coordinator Guidelines) to the Relocation Coordinator(s).

1.14 Provide a copy of Attachment 4 (Relocation Log) to the Relocation Coordinator(s).

1.15 Notify Security of the following: (2688 or 4900)

- ☐ 1.15.1 Relocation is being initiated.
- ☐ 1.15.2 Perform a sweep of discharge canal, nature trail, and beach to evacuate visitors from the owner controlled area.
- ☐ 1.15.3 Direct traffic and restrict vehicle movement on site. [NCR01704251]
- ☐ 1.15.4 Call Mecklenburg police to assist with traffic control.

\_\_\_\_\_/\_\_\_\_\_  
Person Notified      Date      Time

1.16 Notify Radiation Protection Manager that monitoring of personnel, vehicles and equipment for contamination may be required at relocation area(s).

1.17 Turn on outside speakers. (4262)

RO

1.18 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

**NOTE:** Site Relocation Start Time is the time that site evacuation alarm was activated.

- ☐ 1.19 Record Relocation Start Time on Attachment 1 (Relocation Message).

**NOTE:** Plant page is performed by dialing 710, then dialing 80 and making announcement following beep.

\_\_\_\_\_ 1.20 Announce message from Attachment 1 (Relocation Message) via plant page.

\_\_\_\_\_ 1.21 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.22 Announce message from Attachment 1 (Relocation Message) via plant page.

\_\_\_\_\_ 1.23 Notify EOF Director of the Relocation plans. (9-704-382-0760)

\_\_\_\_\_ / \_\_\_\_\_  
Person Notified                      Date      Time

\_\_\_\_\_ 1.24 Notify JIC of the Relocation plans. (9-704-382-0610)

\_\_\_\_\_ / \_\_\_\_\_  
Person Notified                      Date      Time

\_\_\_\_\_ 1.25 **WHEN** 10 minutes have elapsed since relocation start time, perform the following:

\_\_\_\_\_ 1.25.1 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.25.2 Announce message from Attachment 1 (Relocation Message) via plant page.

\_\_\_\_\_ 1.26 **WHEN** 20 minutes have elapsed since relocation start time, perform the following:

\_\_\_\_\_ 1.26.1 Perform a 10 second activation of the Site Evacuation Alarm. (4262)

RO

\_\_\_\_\_ 1.26.2 Announce message from Attachment 1 (Relocation Message) via plant page.

\_\_\_\_\_ 1.26.3 Request a printout from Security of personnel within protected area. (2688  
**OR** 4900)

\_\_\_\_\_ 1.27 **WHEN** Security provides a printout of personnel within protected area, perform the following:

\_\_\_\_\_ 1.27.1 Compare the printout with the Essential Personnel Checklists from  
Enclosure 4.6 (Essential Personnel List) .

\_\_\_\_\_ 1.27.2 **IF** there are no discrepancies, inform Emergency Coordinator that Relocation  
inside protected area is complete.

\_\_\_\_\_ 1.27.3 **IF** personnel at locations on Attachment 2 (Site Assembly Locations Outside  
Protected Area) have left the site, inform Emergency Coordinator that  
relocation outside protected area is complete.

## Relocation

\_\_\_\_\_ 1.27.4 **WHEN** both inside and outside relocations are complete, record Relocation completion time: \_\_\_\_\_ Time

\_\_\_\_\_ 1.27.5 **IF** any discrepancies, perform the following:

\_\_\_\_\_ 1.27.5.1 **IF** Emergency Coordinator requests continuing sounding Site Evacuation Alarms, have the Control Room repeat the following steps every 10 minutes until all personnel have been located **OR** Emergency Coordinator authorizes stopping alarms: (4262)

\_\_\_\_\_ A. Perform a 10 second activation of the Site Evacuation Alarm.

RO

\_\_\_\_\_ B. Announce message from Attachment 1 (Relocation Message) via plant page.

\_\_\_\_\_ 1.27.5.2 Request Security to perform the following: (2688 or 4900)

☐ A. Search for any non essential personnel.

☐ B. Provide an update every 10 minutes until all non essential personnel have been relocated from inside protected area.

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

\_\_\_\_\_ 1.28 **WHEN** relocation announcements are complete, turn off outside speakers. (4262)

RO

\_\_\_\_\_ 1.29 **WHEN** relocation complete, perform the following: [NCR01586267 & NCR01600692]

\_\_\_\_\_ 1.29.1 Notify Emergency Coordinator that relocation is complete.

\_\_\_\_\_ 1.29.2 Notify EOF Director that relocation is complete. (9-704-382-760)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

\_\_\_\_\_ 1.29.3 Notify JIC that relocation is complete. (9-704-382-0610)

\_\_\_\_\_/\_\_\_\_\_  
Person Notified Date Time

\_\_\_\_\_ 1.30 **WHEN** relocation is no longer in effect, collect all sheets of Attachment 3 (Relocation Log) from the relocation Coordinators.

\_\_\_\_\_ 1.30.1 Attach all sheets of Attachment 3 (Relocation Log) to this Enclosure.

**Attachment 1****2. Relocation Message**

- \_\_\_\_\_ 2.1 **IF** Drill, start and end Relocation Message with "This is a Drill". [NCR01651774]
- \_\_\_\_\_ 2.2 Provide a brief description/reason for relocation/special instructions.
- \_\_\_\_\_ 2.3 **IF** changes to message are required, create a new copy, attach old copy to enclosure  
**AND** enter original start time.

\_\_\_\_\_  
\_\_\_\_\_  
This is a Relocation. This is a Relocation. All non-essential personnel please safely and  
orderly exit the plant and travel to the designated relocation area. The Relocation area is:

\_\_\_\_\_  
\_\_\_\_\_  
Please follow this route:

\_\_\_\_\_  
\_\_\_\_\_  
When arriving at relocation Area, please notify Relocation Coordinator. This is a  
Relocation. This is a Relocation.

Approved: \_\_\_\_\_

Emergency Coordinator

\_\_\_\_\_  
Date/Time

Relocation Start Time: \_\_\_\_\_

**Attachment 2**  
**Site Assembly Locations Outside Protected Area**

<b>Site Assembly Point</b>	<b>Location</b>	<b>Phone</b>	<b>Number of Personnel</b>	<b>Number of Essential Personnel</b>
M18	Bldg. 7414, Explorium	5600		
M19	Bldg. 7412, Boat Garage	3610		
M20	Bldg. 7408, McGuire Technical Services	5478		
M21	Bldg. 7405, Environmental Center	3904		
M22	Bldg. 7403, TTC	5359		
M23	Bldgs. 7419 & 7420 MTF and Shops	3981		
M24	Bldg. 7422, McGuire Office Shop Complex (MOC)	3203		
M25	Bldg. 7430, Communications Bldg.	5997		
M26	Bldg. 7432, Medical Facility	3194		
M27	Bldg. 7438, Admin Bldg.	2144		
M28	Bldg. 7496, Garage	5617		
M29	Switchyard	5680		
M30	Firing Range Training Rm #2	6735		
M31	Conventional Hydro Office (Building 8701)	9-704-812-1143		
M32	Cowans Ford Dam	9-704-812-1107 9-704-812-1104		
		<b>TOTAL</b>		

**Attachment 3**

**Relocation Coordinator Guidelines**

- Interface with the relocation site(s) management. (Phone numbers located on page 2)
- Prepare the relocation site to receive relocated personnel.
- Establish communications with TSC. (980-875-4455, 980-875-4458 & 980-875-4977)
- Establish the method for future communications.
- Direct parking.
- Account for personnel as they arrive and depart per Attachment 3 (Relocation Log)
- Report status to TSC.
- Provide status reports to relocated persons.
- Interface with Radiation Protection personnel to help coordinate RP activities.
- Direct the return of personnel to the plant as required.
- Authorize personnel to go home as required.
- Interface with the EOF Director at 704-382-0760 and/or EOF Services at 704-382-0728.
- Establish 24-hour coverage for your position.
- As necessary, contact Relocation Coordinators to provide update and/or turnover information.
- Arrange shift schedules for managing activities at the relocation site.

## Relocation Log

Page 9 of 11

Date \_\_\_\_\_

[illegible]

Routes to Possible Relocation Areas

Sheet 1 of 2

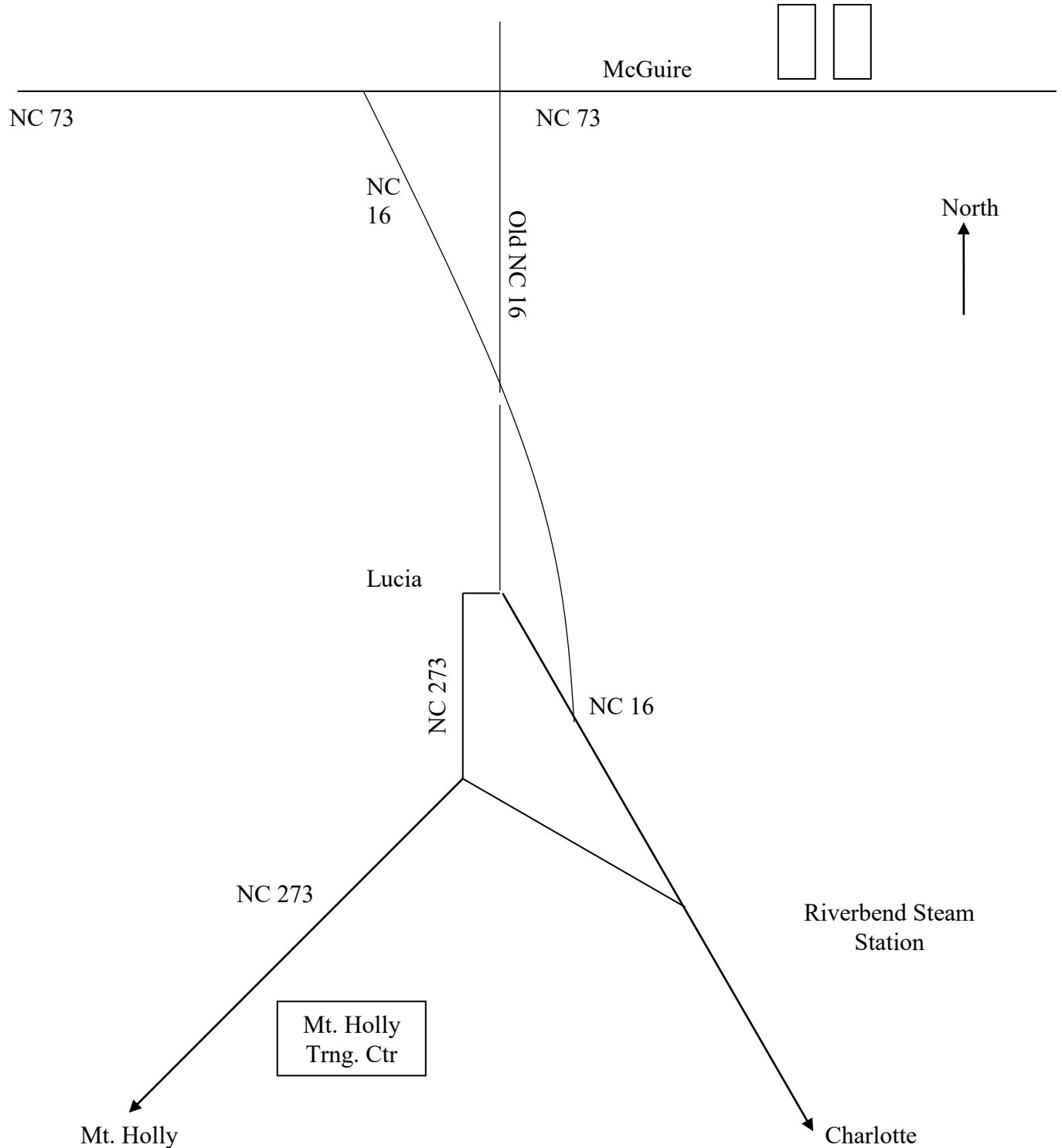
**MCGUIRE NUCLEAR STATION  
SITE EVACUATION ROUTES**



Routes to Possible Relocation Areas

Sheet 2 of 2

Directions to Mt Holly Training Center



**Enclosure 4.4**  
**Follow Up Messages**

RP/0/A/5700/011  
Page 1 of 1

**1. Follow Up Messages**

- \_\_\_\_\_ 1.1 **IF** Drill, start and end Message with "This is a Drill". [NCR01651774]
- \_\_\_\_\_ 1.2 Obtain information from the Offsite Agency Communicator
- \_\_\_\_\_ 1.3 Provide a brief description/reason or/special instructions for the message.
- \_\_\_\_\_ 1.4 Have emergency Coordinator approve message.

**NOTE:** Plant page is performed by dialing 710, dialing 80 and making announcement following beep.

- \_\_\_\_\_ 1.5 Read the following message over plant page.

\_\_\_\_\_  
\_\_\_\_\_

Attention all site personnel. Attention all site personnel. This is a message from the  
Emergency Coordinator.

This is a message from the Emergency Coordinator.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

This is a message from the Emergency Coordinator.

\_\_\_\_\_  
\_\_\_\_\_

Approved: \_\_\_\_\_  
Emergency Coordinator Date/Time

Announcement Time \_\_\_\_\_

**Enclosure 4.5**  
**Containment Evacuation**

RP/0/A/5700/011  
Page 1 of 1

## 1. Containment Evacuation

**NOTE:** This enclosure is performed by OPS.

- \_\_\_\_\_ 1.1 Perform a 60 second activation of the containment evacuation alarm.
- \_\_\_\_\_ 1.2 Notify Radiation Protection and/or Security to ensure all personnel exit containment:

**Unit 1**

Outside Upper 2354  
Outside Lower 2424  
Inside Upper 2355

**Unit 2**

Outside Upper 2446  
Outside Lower 2427/2441  
Inside Lower 2421/2429

- \_\_\_\_\_ 1.3 Notify Security at Ext. 2688 or 4900 of containment evacuation.

\_\_\_\_\_  
Person Notified                      /  
Date      Time

- \_\_\_\_\_ 1.4 Notify Radiation Protection at Ext. 4459 or 4096 of containment evacuation.

\_\_\_\_\_  
Person Notified                      /  
Date      Time

- \_\_\_\_\_ 1.5 **IF** personnel remain inside containment, perform the following:

- \_\_\_\_\_ 1.5.1 Notify Shift Manager.
- \_\_\_\_\_ 1.5.2 Perform a 60 second activation of the containment evacuation alarm.
- \_\_\_\_\_ 1.5.3 Evaluate containment conditions.
- \_\_\_\_\_ 1.5.4 Evaluate performing a search for missing personnel.

- \_\_\_\_\_ 1.6 **WHEN** the condition requiring containment evacuation is cleared, perform the following;

- \_\_\_\_\_ 1.6.1 Contact Radiation Protection at Ext. 4459 **OR** 4096 to ensure containment entry allowed.

\_\_\_\_\_  
Person Notified                      /  
Date      Time

- \_\_\_\_\_ 1.6.2 Notify Security at Ext. 2688 **OR** 4900 that containment access is required.

\_\_\_\_\_  
Person Notified                      /  
Date      Time

## 1. Essential Personnel Checklist:

**NOTE:** Essential personnel are based on event and anticipated needs, including:  
[NCR01651833]

- Personnel in the Control Room, TSC, and OSC
- Normal Shift Personnel
- Additional personnel needed to support the emergency designated by Emergency Coordinator

\_\_\_\_\_ 1.1 Notify Emergency Coordinator to place Essential Personnel Checklists as a Priority 1 item.

**NOTE:** These actions require a Site Evacuation Coordinator going to OSC.

\_\_\_\_\_ 1.2 **GO TO** the OSC.

\_\_\_\_\_ 1.3 Have the OSC Manager instruct members of the OSC to perform Attachment 1 (Essential Personnel Checklist) of RP/0/A/5700/011 within 15 minutes.

\_\_\_\_\_ 1.4 Have Assistant OSC Manager give individual Attachment 1 (Essential Personnel Checklist) sheets 1 - 6 to the following:

- ☐ Assistant OSC Manager
- ☐ Maintenance Supervisor
- ☐ Radiation Protection Supervisor
- ☐ Chemistry Supervisor
- ☐ Operations Supervisor
- ☐ Nuclear Supply Chain Liaison

\_\_\_\_\_ 1.5 Have TSC perform sheet 7 of Attachment 1 (Essential Personnel Checklist).

\_\_\_\_\_ 1.6 Obtain the 7 sheets of Attachment 1 (Essential Personnel Checklist).

\_\_\_\_\_ 1.7 Attach completed sheets of Attachment 1 (Essential Personnel Checklist) to this enclosure.

\_\_\_\_\_ 1.8 Check essential personnel have been notified to remain on site.

**Enclosure 4.6**  
**Essential Personnel List**

RP/0/A/5700/011  
Page 2 of 8

## Attachment 1

### Essential Personnel Checklist

## Assistant OSC Manager

**Name of Person completing form:** \_\_\_\_\_

Sheet 1 of 7

[illegible]

## Attachment 1

### Essential Personnel Checklist

## Maintenance Supervisor

**Name of Person completing form:** \_\_\_\_\_

Sheet 2 of 7

[illegible]

[illegible]

## Enclosure 4.6

RP/0/A/5700/011

Page 5 of 8

## Attachment 1

### Essential Personnel Checklist

## Chemistry Supervisor

**Name of Person completing form:** \_\_\_\_\_

Sheet 4 of 7

[illegible]

[illegible]

[illegible]

[illegible]

## 1. Accountability during a Security Event

- \_\_\_\_\_ 1.1 **IF** Imminent Air Craft Threat, ensure Site Sheltering per AP/0/A/5500/047 (Security Events) has been performed.
- \_\_\_\_\_ 1.2 **IF** Security Status Level greater than Heightened Awareness, ensure Site Sheltering per AP/0/A/5500/047 (Security Events) has been performed.
- \_\_\_\_\_ 1.3 **IF** Probable Air Craft Threat, ensure Site Relocation per AP/0/A/5500/047 (Security Events) has been performed.
- \_\_\_\_\_ 1.4 **IF** Informational Air Craft Threat, **GO TO** Step 1.2.2 in Enclosure 4.1 (Site Assembly).
- \_\_\_\_\_ 1.5 **WHEN** Hostile Threat conditions permit performing a Site Assembly, perform the following:
- \_\_\_\_\_ 1.5.1 **IF** Site Sheltering was performed, perform a Site Assembly per Enclosure 4.1 (Site Assembly).
- \_\_\_\_\_ 1.5.2 **IF** Site Relocation was performed, perform the following:
- \_\_\_\_\_ 1.5.2.1 Notify Security to update personnel listed inside the Protected Area by comparing the list for all personnel that exited the Protected Area against the personnel shown inside the Protected Area.
- \_\_\_\_\_ 1.5.2.2 **WHEN** Security has completed the updated personnel list for personnel inside Protected Area, perform a Site Assembly per Enclosure 4.1 (Site Assembly).

\_\_\_\_\_/\_\_\_\_\_  
 Person Notified      Date      Time.