

STATION DIRECTIVE 3.8-1
APPROVAL *[Signature]*
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DUKE POWER COMPANY
McGUIRE NUCLEAR STATION
SITE ASSEMBLY AND EVACUATION

OBJECTIVE

To obtain accountability of station personnel in order to implement recovery resources and ensure personnel safety in the event of a potential or actual emergency condition onsite.

RESPONSIBILITY FOR IMPLEMENTATION

1. The Shift Supervisor/Emergency Coordinator shall determine whether or not a Site Assembly is warranted based upon the severity of the emergency condition in regards to personnel safety. Examples:

- A. Fire out of control
- B. High radiation levels in Auxiliary Building (unplanned)
- C. High airborne particulate or gas levels (radioactive, toxic or flammable) in Auxiliary Building.
- D. ECCS initiated due to primary system failure.
- E. Security breach/Bomb Threat

NOTE: If at any time in the course of this directive, the Emergency Coordinator deems a Site Evacuation is necessary, he should proceed directly to page 5, IMPLEMENTATION - SITE EVACUATION.

2. The Emergency Coordinator (or his designee) shall determine whether or not a subsequent evacuation is warranted after evaluating the situation in regards to personnel safety. Examples:

- A. Fire spreading out of control with potential for reducing containment integrity or damaging essential systems/components.
- B. Any unplanned increase in whole body exposure 2.0 mrem/hr encompassing a majority of the exclusion area.

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- C. Any airborne contamination in excess of concentrations set forth in 10CFR20, Appendix B, Table II, within the exclusion area.
 - D. Toxic or flammable gases within the exclusion area.
 - E. Bomb Threat
3. The individual commencing the Site Evacuation shall determine which evacuation facility is to be utilized based upon implications of the emergency (radiological, chemical, fire, security, etc.) and meteorological conditions (wind direction, precipitation, etc.). See Enclosure 1, Evacuation Routes.

IMPLEMENTATION - SITE ASSEMBLY

1. The Shift Supervisor or his designee shall sound a twenty second blast of the Site Assembly alarm and make the following announcement on the plant page system:

"This is a Site Assembly. This is a Site Assembly. There is/are _____ in/at _____. All personnel and visitors
what where
report to their assembly points."

2. Repeat Step 1 in full.
3. At this time, all personnel shall report to their supervisors at the predesignated assembly points as follows:

ASSEMBLY POINTS

<u>GROUP</u>	<u>WITHIN PROTECTED AREA</u>	<u>OUTSIDE PROTECTED AREA</u>
A. Operations	Operation's Office	Operations Admini- stration Building Office

NOTE: Control Room Operators remain on station.

<u>GROUP</u>	<u>WITHIN PROTECTED AREA</u>	<u>OUTSIDE PROTECTED AREA</u>
B. Admin Services		
1) Administrative Personnel and Training Services Personnel	PAP at Exit Corridor	Training Room
2) K-MAC	PAP at Exit Corridor	Training Room
3) Security	Security Office Assembly Room (CAS, SAS, and PAP remain on Post)	Training Room
4) Visitors	Escorted - with escort Unescorted - PAP	Training Room

NOTE: Station Security shall be responsible for the accountability of visitors within the PAP.

NOTE: If there are any radiological implications, any Health Physics escort shall take his/her visitor to PAP.

C. Technical Services		
1) Projects and Licensing	Performance Trailer	Superintendent's Office
2) Performance	Performance Trailer	Superintendent's Office
3) Chemistry	CT Lab	Superintendent's Office
4) Health Physics	HP Lab	Auxiliary Count Room

NOTE: If radiation levels within the HP Lab are excessive, Health Physics shall report to HP Trailer.

D. Maintenance		
1) Mechanical (SMS, SSD)	Assembly Room in Shop	Superintendent's Office
2) I&E	I&E Shop	Superintendent's Office
3) Planning	Tool Issue	Superintendent's Office

NOTE: Any Transmission Department personnel assigned to the Station Maintenance Department shall assemble with the group/crew they are assigned to.

<u>GROUP</u>	<u>WITHIN PROTECTED AREA</u>	<u>OUTSIDE PROTECTED AREA</u>
E. QA	QA Office Above CT Lab	Senior QA Engineer's Office
F. Construction	Unit #1 Truck Corridor	Brass Shack
G. Station Manager	Control Room	Manager's Office
H.	Superintendents and their clerks and the Station Manager's clerk shall assemble in their offices whether inside the protected area or not and will be allowed normal passage thru the Personnel Access Portal.	
I.	The Shift Supervisor shall proceed to the Control Room and will be allowed normal passage thru the Personnel Access Portal.	
J.	All members assigned to the Station Emergency Organization as defined in Station Directive 3.8.2 will be allowed normal passage thru the Personnel Access Portal during any emergency condition requiring activation of the station Emergency Organization.	
K.	After normal working hours, on weekends, or anytime the Administration offices are normally unoccupied, all personnel outside the protected area shall assemble in the canteen.	
	NOTE: During routine drills, the PBX Operator and assigned security posts at the SAS, CAS, VAP, PAP, and Fuel Receiving shall remain at their assigned stations.	
L.	Steam Production personnel and visitors located on the Unit Two side of the Interium Barrier during Unit One operation shall proceed directly to their "Outside Protected Area" assembly point without returning to the Interium Barrier Personnel Access Portal. At the completion of the Emergency/Drill they will retrieve their badges from the Interium Barrier Personnel Access Portal by returning thru the Unit Two side.	
4.	Supervisors, upon accounting for their people shall report to their Section Heads, who in turn, upon receiving accounts from all their supervisors shall report to their respective superintendent or superintendent's clerks.	

5. The superintendents or their clerks, Senior QA Engineer, and the Construction Project Manager, after receiving accounts from their section heads shall report to the Superintendent of Administration who in turn, after receiving their reports shall notify the Station Manager and the Shift Supervisor. Personnel shall be accounted for in 30 minutes.

NOTE: Commencing fifteen (15) minutes after initiation of a Site Assembly, the superintendents, Senior QA Engineer, and the Construction Project Manager should begin personnel status reports to the Superintendent of Administration who in turn, will notify the Station Manager and Shift Supervisor. These status reports should be continued at fifteen (15) minute intervals until all personnel are accounted for.

6. Search and rescue of missing personnel will be at the discretion of the Emergency Coordinator, and shall take into account the emergency situations that may be encountered such as radiological hazards, fire, toxic gases or other conditions that may involve personnel safety. Station Fire Brigade personnel trained in rescue procedures and accompanied by Health Physics personnel during radiological situations, shall be utilized for search and rescue of missing personnel.
7. After normal hours, on weekends, or anytime the Administration offices are normally unoccupied, the senior person in each section shall be responsible for the personnel in his group and shall report to the Shift Supervisor when all personnel are accounted for.
8. When the condition warranting Site Assembly has been removed or stabilized to the point where it is no longer a personnel hazard and normal personnel traffic will not hinder any subsequent recovery actions as determined by the Emergency Coordinator, he shall secure from the Site Assembly via the station PA System.

IMPLEMENTATION - SITE EVACUATION

1. As per Step 3 of Responsibility for Implementation, determine the evacuation facility to be utilized. See Enclosure 1, Evacuation Routes.
2. The Shift Supervisor or his designee shall sound a twenty (20) second blast of the Site Evacuation alarm and make the following announcement on the plant page system:

"This is a Site Evacuation. This is a Site Evacuation. All unnecessary personnel proceed to Training Center/Cowans Ford Dam."

3. Repeat Step 2 in full.
4. Request the Mecklenburg County Police to assist in traffic control near and around McGuire Nuclear Station and to assist in the control of boating areas on Lake Norman within the exclusion area. (See Enclosure 3) (Station Security will work with the County Police in directing traffic to the evacuation facility designated.)
5. Continue to repeat Step 2 at 3 minute intervals until notification that the site is in fact evacuated.
6. At this time, all personnel shall evacuate to the designated evacuation facility by their designated route utilizing their individual private vehicles with the following exceptions.

NOTE: In the event that Site Evacuation is to the Training and Technology Center, Construction personnel shall proceed on foot, not to use vehicles. In the event the situation does not involve a release of radioactive materials or contamination of site area's, the Construction Project Manager, in coordination with the Station Manager may allow construction personnel to leave the site in their vehicles and proceed offsite/home.

- A. Control Room personnel shall stay on station, evacuate to the Standby Shutdown Facility, or to the evacuation facility as directed by the Shift Supervisor. In the event the Technical Support Center becomes uninhabitable, the Emergency Coordinator may direct that he and the Superintendents move into the Control Room protected area or evacuate to the designated evacuation facility.
- B. If there is radiological contamination of equipment and personnel, Health Physics Emergency Environmental survey teams shall be provided in accordance with the Station Health Physics Manual, Section 18.2 (Environmental Monitoring for Emergency Conditions). Emergency Personnel survey teams shall be provided in accordance with Station Health Physics Manual, Section 18.3 (Personnel Monitoring for Emergency Conditions).

7. Steam Production Superintendents, the Senior QA Engineer, and the Construction Project Manager shall account for their personnel at the evacuation facility and report to the Superintendent of Administration who will in turn inform the Shift Supervisor and the Emergency Coordinator of the evacuation status.

NOTE: Commencing thirty (30) minutes after initiation of a Site evacuation, the Superintendent of Administration shall begin personnel status reports to the Shift Supervisor and Emergency Coordinator. These status reports should be continued at fifteen (15) minute intervals until all personnel are evacuated and accounted for.

8. After normal working hours, on weekends, or anytime the Administration offices are normally unoccupied, the senior person in each section shall be responsible for the personnel in his group and shall report to the Shift Supervisor when all evacuated personnel are accounted for.
9. The Emergency Coordinator in coordination with the Recovery Manager at the Crisis Management Center will provide instructions to Steam Production and Construction supervision regarding the further disposition of evacuated personnel. In the event evacuated personnel must remain at the evacuation facilities for an extended period of time, the Recovery Manager shall provide for their care and disposition.
10. When the emergency condition requiring Site Evacuation no longer exists, the Emergency Coordinator shall secure from the Site Evacuation.

ENCLOSURES

1. Evacuation Routes to Training and Technology Center Center and Cowan's Ford Dam
2. Site Evacuation Traffic Control Telephone List

STATION DIRECTIVE 3.8.1
ENCLOSURE 1

Evacuation Routes to Training and Technology Center
and Cowan's Ford Dam

TRAINING
AND
TECHNOLOGY
CENTER

LAKE NORMAN

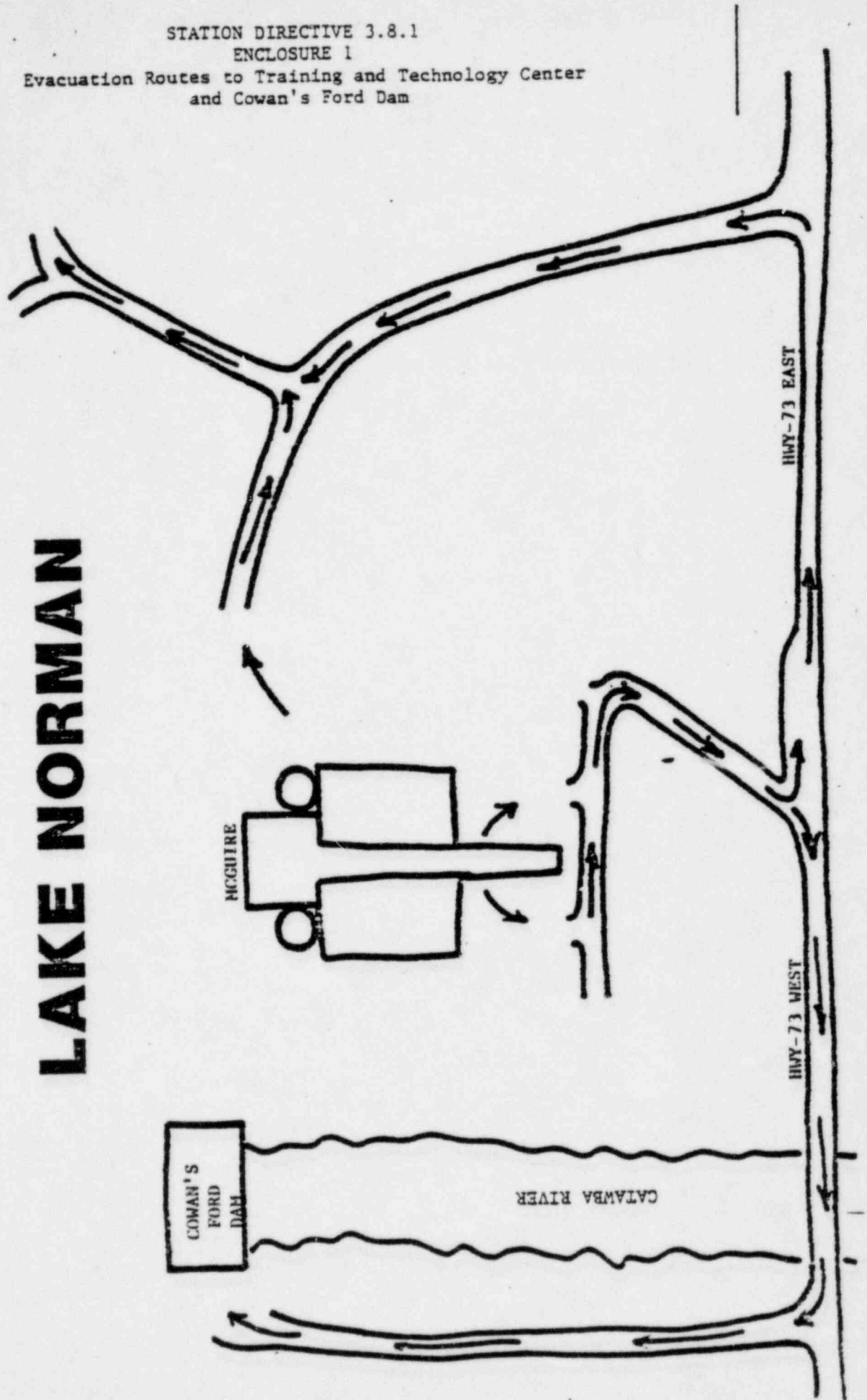
COWAN'S
FORD
DAM

MCGUIRE

CATAWBA RIVER

HWY-73 EAST

HWY-73 WEST



STATION DIRECTIVE 3.8.1

ENCLOSURE 2

SITE EVACUATION TRAFFIC AND LAKE CONTROL TELEPHONE LIST

A. Mecklenburg County Police - 374-3333